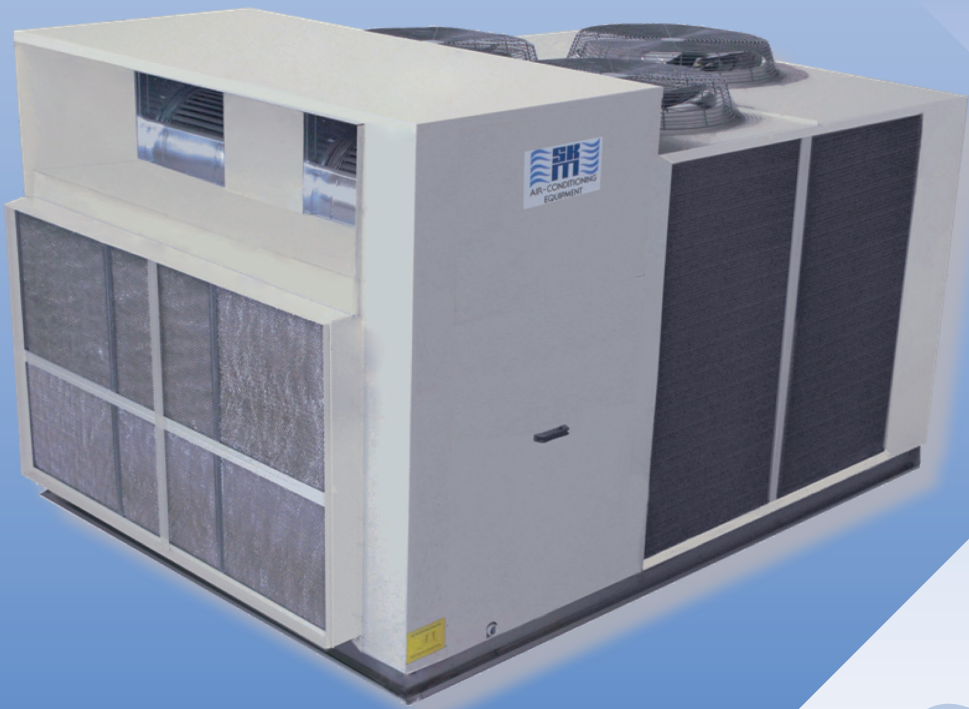


R-22
R-407C

PACS Series Packaged Air Conditioners



Range 5 TR to 110 TR
(17 kW to 387 kW)



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AIR CONDITIONING EQUIPMENT

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Award winner

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

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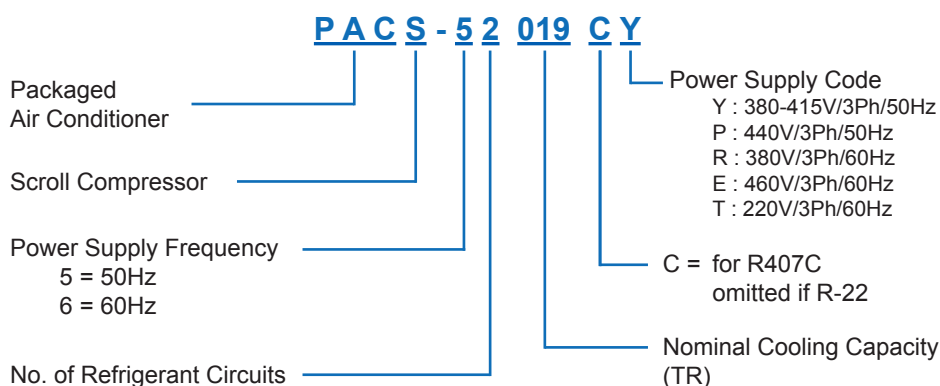
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Legend

The following legends are used throughout this manual:

AFR Air Flow Rate	MBh BTUH x 1000
BPF By-pass Factor	PH Phase
C.Cap .. Cooling Capacity	Pa Pascal
CFM Cubic feet per minute	PD Pressure Drop
EER Energy Efficiency Ratio	PI Compressor Power Input in kW
Hz Hertz	RPM.....Revolutions per Minute
in.wg inches of water gauge	RPS Rated Power Supply
kW Kilowatt	TR Tons of refrigeration = 12 MBh
Kg Kilogram	V Volts
lbs Pounds weight (British units)	FPI Fins per Inch
L/s Liters per second	

Nomenclature



SKM reserves the right to change, in part or in whole the specifications of its Air Conditioning Equipment at any time in order to add the latest technology. Therefore, the enclosed information may change without any prior notice.

Introduction

SKM **PACS** Series Packaged Air Conditioners are designed and manufactured to meet the requirements of the Gulf's severe climatic conditions and are built specifically for outdoor installations, either on ground or roof level.

The **PACS** Series Packaged Air Conditioners are ideal for warehouses, large halls, schools, mosques, or wherever the requirement is for a heavy duty unit with a hermetic compressor.

PACS Series Air cooled package (hermetic scroll) are available in 48 models covering nominal capacity ranges from 5 TR – 110 TR (**17 kW to 387 kW**) in 50Hz and 60Hz.

PACS units are designed to operate in a wide ambient temperature range from 50°F (**10°C**) to 120°F (**48.9°C**) and even lower if an optional head pressure control system is provided.

PACS units are designed and rated in accordance with AHRI-210/240 and 340/360 standards.

PACS Series Packaged Air Conditioners are completely assembled, internally wired, charged with R-22 or R-407C refrigerant at factory, tested before despatch and ready for installation. All that is required on site is connecting ducting and power supply. This greatly reduces installation work and costs. They are designed for ducted systems which will enable them to be installed on roof tops or on the ground.

SKM provides qualified service and stock of replacement parts in all major cities of the G.C.C. countries, Egypt, Jordan, and Pakistan. See back cover for details or call SKM.

SKM Air Conditioning LLC



You name it.....We cool it.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

General Features

The **PACS** Series Packaged Air Conditioners is yet another unique series from SKM incorporating a high efficiency cooling coil, heavy duty evaporator blower and motor resulting in an extremely rugged, long-life, energy efficient, self-contained unit that will provide cooling at higher efficiency over a long and extended life. Compared to the traditional units available in the market, the **PACS** series packaged units are very low in energy consumption.

The flexibility of the **PACS** series is ideal for consideration on special applications including:

- 100% fresh air units or units with high incidence of outdoor fresh air.
- Units with unusual filtration requirements incorporating carbon, bag and/or other filters.
- Special units for ducted condenser air using centrifugal type condenser air fans.
- Units constructed of aluminum or stainless steel.
- For those special off-shore or refinery or sewage treatment applications requiring specially coated heat transfer coils.
- IP 54 Electrical panel.
- Factory installed, advanced and user-friendly microprocessor based control system.
- Interface capability with major BMS protocols (option).

All of these flexibilities cannot be cataloged nor all the possible options listed. They are available and SKM has over 38 years of experience in designing and building such units to meet the most stringent requirements of most applications. For your special requirements please consult SKM.

Component Features

The common standard features of all **PACS** series packaged units include the following.

Compressor

Compressors used in **PACS** packaged unit series are hermetically sealed, compact scroll with the following features:

- High efficiency.
- Quiet operation, low sound levels.
- Compact and light.
- Limited wear.
- 70% fewer moving parts than comparably sized reciprocating compressors.
- Unique ability to handle liquid refrigerant.
- Suction gas motor cooling.
- Centrifugal oil pumps with filter and magnet.
- Brazed fittings or Rotalock as options.
- Two refrigerant circuits on larger units provide efficient part load.

Parallel Operation

A parallel compressors installation, with common suction line and common discharge line, gives a reduced operating cost through greater control of capacity and power consumption. This is achieved by staggering compressor switch-on sequences that allow the parallel system to match its power with the capacity needed. By switching-off individual compressor from parallel installation, while other compressor is operating 100%, the improved part load efficiency can be achieved. The specially developed and adopted oil equalization system ensures correct compressors operation, oil balancing between compressors and reliability.

Condenser

Condenser coils are manufactured of seamless copper tubes mechanically bonded to aluminum fins to ensure optimum heat transfer.



Condenser Coil

All coils are tested against leakage by air pressure of 450 psig (3100 kPa) under water. All standard coils are 2, 3 or 4 rows/14 FPI, 3/8" (9.5 mm) O.D. tubes. An integral subcooling circuit is provided to increase the cooling capacity, without additional operating cost.

For different application requirements, other optional condenser fin materials are available:

- Copper fins.
 - Electroplated copper fins.
 - Copper-finned coils with electro-tinned after manufacturing.
 - Pre-coated aluminum fins.
- The pre-coated is hydrophobic polyurethane resin. This option provides substantial corrosion protection beyond standard coil construction.
- Aeris Guard Coil coating.
- The Aeris Guard Coil is a self-etching high performance modified epoxy finish that is specifically designed to coat and protect aluminum and copper surfaces. In addition, the coating is ideal for the protection of ferrous and non ferrous materials.

SKM **PACS** series, all models, are restricted to a 14FPI (1.8 mm) fin spacing condenser coil. Gulf dust storms and the general level of available maintenance in Gulf countries ensures this condenser coil design shall provide long life and maintenance-free operation with the least possibility operational blockage on the condenser. Ample condenser surface and sensible air flow across the condenser ensures a low temperature differential between condensing temperature and the high Gulf ambients making the **PACS** packaged unit perform efficiently and durably.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Condenser Fans

The condenser fans are propeller type, aluminium alloy blades, directly driven by electric motors.

Motors are Totally Enclosed Air Over (TEAO) six pole with class 'F' insulation and minimum IP55 protection.

The TEAO and class 'F' Insulation features ensure long life and are unique to SKM. The motors are factory wired using wires specially selected for high ambient operation, to unit control panel where the motor contactors are located to control the operation of these motors.

The condenser fans are individually, statically and dynamically balanced at the factory. Complete fan assembly is provided with suitable acrylic-coated fan guard.



Condenser Fan Motor

Evaporator

Evaporator coils are manufactured of seamless copper tubes mechanically bonded to aluminium fins to ensure optimum heat transfer. All evaporator coils are tested against leakage by air pressure of 300 psig (2068 kPa) under water. The DX evaporator coils are complete with headers of seamless copper tubing. Supply headers incorporate a correctly sized distributor. For different application requirements, other evaporator coil material and/or treatment are available on request.

- Copper fins.
 - Electroplated copper fins.
 - Copper-finned coils with electro-plated after manufacturing.
 - Precoated aluminum fins.
- The pre-coated is hydrophobic polyurethane resin. This option provides substantial corrosion protection beyond standard coil construction.
- Aeris Guard Coil coating.
- The Aeris Guard Coil is a self etching high performance modified epoxy finish that is specifically designed to coat and protect aluminum and copper surfaces. In addition, the coating is ideal for the protection of ferrous and non ferrous materials.

Evaporator coils are rated in accordance with AHRI-410. Evaporator coil are supplied with suitable size thermostatic expansion valve(s) and multi-circuited distributors providing capacity modulation to match the compressors. The cross wave fins and staggered tubes design uses the evaporator surface effectively by creating uniform air turbulence and optimum heat transfer over the entire finned surface. Requirements for higher face velocities can be handled by use of moisture eliminators to avoid carryover.

Fan Section

Fans in the **PACS** units are selected for the best sound characteristics based on maximum fan efficiency. More than one arrangement of evaporator fans are used in the **PACS** series packaged units due to the wide range of air flow rates.

Commonly, all fans are double inlet, double width, centrifugal type with forward curved impellers provide the combination of efficiency and quietness of operation. All fans are statically and dynamically balanced, belt driven by motor sizes up to 11 kW are provided with adjustable pitch pulleys as standard. Above 11 kW motor sizes are equipped with fixed pitch pulleys as standard.

Single fan is used for **PACS-51005~PACS-52015** and **PACS-61006~PACS-62018** models. Models **PACS-52019~PACS-52052** and **PACS-62023~PACS-62065** are equipped with two fans. These fans are mounted on a single heavy duty shaft driven by a single electric motor. Shaft end insert into oversized, tapered lock self-aligning long life bearings. The motor is mounted on an adjustable base, so that belt tension can be easily adjusted.

Models **PACS-52060** and **PACS-62070** onwards, use single fan assembly, which has maximum strength, high performance, quietness and reliability. These fans use self-aligned ball or pillow block bearings that are greased for life. Pillow block bearings are provided with re-greasing fittings. The motor is mounted on an adjustable base, so that belt tension can be easily adjusted. The complete fan-motor drive assembly is mounted on a floating sub-base. In order to limit transmission of noise and vibration, the complete fan motor sub-base assembly is mounted on anti-vibration mounts. Flexible connection is provided between fan discharge and casing panel to avoid transmission of vibration to the connecting duct.

The **optional** modular construction units for models **PACS-51005~PACS-52052** and **PACS-61006~PACS-62065** are also using the same fan specifications as mentioned above.

The electric motors are foot mounted, 4 pole, Totally Enclosed Fan Cooled (TEFC), IP-55 protected with Class F insulation.

Drive package is factory selected for the medium air flow rate as shown in the capacity ratings. Alternative drive packages to meet specific job or client requirements can be provided.

Refrigerant Circuit

PACS series comes complete, as standard, with correctly sized and piped refrigerant lines including sight glass, filter drier, thermostatic expansion valve, solenoid valve, shut-off valve, and a full operating charge of R-22 or R-407C in each circuit.

Piping is fabricated from ACR grade copper piping. Suction line is insulated with ½" (12mm) wall thickness closed cell pipe insulation.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Filter Section

PACS series can be with a range of filter sections and filters to meet requirements for the most demanding applications.

- Flat or vee filter sections to accommodate 1" or 2" cleanable aluminium media filters can be provided.
- A bag filter section to house 15", 21" or 30" deep bag filters having efficiencies as desired can also be provided, as required. Filter sections come with latches to provide easy access for removal and for maintenance.
- On 100% fresh air applications an initial sand trap louver can effectively minimize entrance of sand into the air stream
- High efficiency mini pleat panel filters are available as an alternative for bag filter where space is limited. Filter sections come with latches to provide easy access for removal and for maintenance.

To order a sand trap louver from SKM, specify fresh air opening size with option ASL.

Casing/Structure

Designed for ease of handling and low cost to install. The **PACS** Air Cooled Packaged Units are factory assembled and mounted on a rigid base. The unit casing used in **PACS** packaged units is made of zinc coated galvanized steel sheets conforming to JIS-G 3302 and ASTM A653 which is phosphatized then baked after an electrostatic powder coat of approximately 60 microns.

This finish and coating pass a 1000 hours in 5 % salt spray testing at 95°F (35°C) and 95% relative humidity as per ASTM B117. The entire casing panels are designed to be leak proof against rain and ensure rain cannot enter the **PACS** series packaged air conditioner interior. Evaporator section sealed by the use of vinyl gasketing material.

The evaporator section is insulated from all sides with black-neoprene faced heavy density 1" thick fiber glass insulation for models up to **PACS-52052** and **PACS-62065** and 2" thick fiber glass insulation for models **PACS-52060** and **PACS-62070** onwards. The insulation cum sound liner meets the fire requirements of NFPA90A and is secured with mechanical fasteners in addition to water resistant adhesive.

For applications requiring an inner skin in the evaporator section, option DSE provides 0.7 mm galvanized inner skin. Suitable isolation to ensure no cold-bridges and no condensation on the exterior of the units is provided. The condensate drain pan is heavily insulated to ensure that condensation may not occur. Stainless steel condensate drain pans are available upon request.

Electrical Control Panel

The unit mounted control panel enclosure is fabricated out of heavy gauge sheet steel in phosphatized powder coated baked finish. The enclosure conforms to IP54 as per guidelines in IEC 529. A hinged access door and key-fastener is provided for easy access and security. The panel is factory wired in accordance with NEC 430 & 440, labelled, tagged and features 220V / 240V controls.

- All compressors are with DOL starting.
- Individual compressor, condenser fan motors and evaporator fan motor contactors.
- Motor protector circuit breaker for condenser and evaporator fan motors.
- Voltage monitoring module for protection against under voltage, over voltage, phase loss, phase reversal and phase unbalance of the incoming voltage.
- Control circuit breaker.
- Control circuit on/off switch.
- Microprocessor control boards.
- Control Relays.
- Power and control terminal blocks.

Microprocessor Controller



Microprocessor Controller

All **PACS** series package units are equipped with a full function microprocessor based controller as a standard feature. The controller is factory programmed for the control of evaporator fan, compressors and condenser fans. The controller comes with a built in keypad and display for simple but meaningful man machine interface. This controller provides complete operational control for the unit and has built-in auto diagnostic capability that can signal normal operation or alarm conditions as well as shutting down the unit or system if necessary.



Room Unit

The controller comes with a loose supplied sleek and elegant design room unit for installing in the conditioned space. Communication between unit controller and room unit is through two wire interface. **The communication cable should be 2 core, twisted pair, unscreened with stranded conductors. (As per KNX specification).** Maximum distance between room unit and controller can be 700 meters. The room unit has a built in sensor for measuring the room temperature. It transmits room temperature, set point, unit operating mode etc. to the unit controller. Control of the compressors is based on room temperature and the set point, as standard. **If unit control needs to be based on duct temperature, please specify during time of order.**

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

The Main Features of the controller are as follows:

- Built in LCD display with back light.
- Roll & push knob and 3 function buttons.
- Battery backed up built in real time clock.
- Multiple authorization level to provide tight security for the control system.
- Capacity control based on room temperature or return air temperature.
- Alarm history.
- A sleek & elegant design room unit.

Display Information

SKM **PACS** series package units offer LCD display which allows the operator to access different parameters of the unit. Operator can view and change the unit parameters. The display information includes:

- Status.
- Outputs.
- Inputs.
- Alarms.
- Set points.
- Password.

System Control Philosophy

The unit may be enabled or disabled through the control on/off switch in the unit mounted control panel. Control is based on room temperature sensed by room unit. Evaporator fan motor starts first. Compressors will be staged based on the set point and actual room temperature. On an increase in room temperature, cooling stages will be added and on a decrease in room temperature, cooling stages will be removed from the system.

System Protection

The intelligent microprocessor based controller monitors all the safeties related to the unit and makes the necessary protections, by shutting down the entire unit or the affected circuit. The protection includes:

- Low suction pressure.
- High discharge pressure.
- High compressor motor temperature.
(For compressors with internal motor protector).
- Compressor short cycling.
- Evaporator fan motor overload.

BMS Connectivity (Optional)

Volt free contacts for run status, common fault status, auto mode status and provision for remote on/off shall be provided as option if required.

In addition, the **PACS** microprocessor can support the major BMS protocols such as BACnet, Modbus & LON. Extra hardware may be required depending on the protocol.

Optional Features

PACS series heavy duty packaged air - conditioners are available with a multitude of optional features which makes design and selection extremely easy and capable of matching the most stringent of requirements.

Alternative Condenser Material

Made of copper tubes and alternative fin material and/or protective coating.

- For Copper Fins, specify **(FC)**.
- For electroplated Copper Fins only, specify **(CFT)**.
- For Copper Finned Coils electroplated post manufacturing, specify **(FCT)**.
- For Pre-Coated aluminum fins, specify **(FAP)**.
- For Aluminum Fins with Aeris post Coat Protection, specify **(FAA)**.
- For Copper Fins with Aeris post Coat Protection, specify **(FCA)**.

Alternative Evaporator Material

Made of copper tubes and alternative fin material and/or protective coating.

- For Copper Fins, specify **(EFC)**.
- For electroplated Copper Fins only, specify **(ECFT)**.
- For Copper Finned Coils electroplated post manufacturing, specify **(EFCT)**.
- For Pre-coated aluminum fins, specify **(EFAP)**.
- For Aluminum Fins with Aeris post Coat Protection, specify **(EFAA)**.
- For Copper Fins with Aeris post Coat Protection, specify **(EFCA)**.

Condenser Coil Guard

(CGP)

Wire mesh guard, in painted finish for condensers coils. Recommended on ground level installation where coil needs to be protected against vandalism.

Double Skin Evaporator

(DSE)

Inner skin of 0.7 mm galvanized sheet in the evaporator section provided with no cold bridges. Recommended for 100% fresh air applications.

Marine Paint

(MP)

To provide increased corrosion resistance coastal environments and offshore location.

Filter Section

(FFS/VFS/BFS)

PACS series can be with a range of filter sections and filters to meet requirements for the most demanding applications.

S.No	Filter Type	Option code		
		PACS 51005/61006 to PACS-52052/62065	PACS-52066/62070 to PACS-52095/62110	Modular Construction
Flat Filter Section with Media				
1	1" (25 mm) / 2" (50 mm) Thick Washable Aluminum G2	[FSP1]/[FSP2]		[FIP1]/[FIP2]
2	1" (25 mm) / 2" (50 mm) Thick Synthetic G3	[FSS1]/[FSS2]		[FIS1]/[FIS2]
Vee Filter Section with Media				
3	1" (25 mm) / 2" (50 mm) Thick Washable Aluminum G2	[FSPV1]/[FSPV2]		[FVP1]/[FVP2]
4	1" (25 mm) / 2" (50 mm) Thick Synthetic G3	[FSSV1]/[FSSV2]		[FVS1]/[FVS2]
Bag Filter Section with Media*				
5	15' (380 mm) deep bag filter	FSBG0-F8		FIG0-F8
6	21' (534 mm) deep bag filter	FSBG1-F8		FIG1-F8
7	30' (762 mm) deep bag filter	FSBG2-F8		FIG2-F8
Pleated Filter Media*				
8	4" (100 mm) thick	FSMP4-F8		FIMP4-F8

*F8 indicates the efficiency, For F9 change option code.

Table 1

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

- Flat or vee filter sections to accommodate 1" or 2" cleanable aluminium media filters can be provided.
- A bag filter section to house 22", 30" or 36" deep bag filters having efficiencies as desired can also be provided, as required. Filter sections come with latches to provide easy access for removal and for maintenance.
- On 100% fresh air applications an initial sand trap louver can effectively minimize entrance of sand into the air stream, sand trap louver (ASL) available upon request.
- High efficiency mini pleat panel filters are available as an alternative for bag filter where space is limited. Filter sections come with latches to provide easy access for removal and for maintenance.

HEPA filters (FIHP)

Ultra high Absolute HEPA (High Efficiency Particulate Air filter with efficiency in excess of 99% when measured by using DOP (Di-Octyle Phthalate) method. In accordance with EN1882 standards. Eff : H13 (including section)

Sand trap louver (ASL)

To extract coarse sand prior to the entry in the unit.

Galvanized Frame And Base (GFB)

Steel frame and base which are hot dip galvanized after manufacturing process. This is recommended for highly corrosive environments.

Pressure Gauges (SDG1)

Suction and discharge indication of each refrigerant circuit. Gauges mounted outside the Control Panel.

Pressure Relief Valve (PRV)

To protect the unit from being over-pressurized.

Stainless Steel Drain Pan (SSP)

Heavy gauge 316 stainless steel drain pan under the entire cooling coil and moisture eliminator. Insulation under drain pan as per SKM standard.

Stainless steel drain pan (Grade 304) (SDP)

Stainless steel drain pan(Grade 304). Insulation under drain pan as per SKM standard.

Extra Shut Off Valve(s) (XfV)

To fully isolate refrigerant filter drier, additional shut-off valve(s) can be incorporated in the liquid line.

Rotalock Valves on compressors (RVC)

For additional facilitation of maintenance of unit.

Condenser & Evaporator Fans with polyglycoat coating (PGF)

To provide protection against corrosion for evaporator or condenser fans.

Anti Spark Fan and Belt (SPF)

For special applications like explosion proof units.

Isolated Condenser Fan Motors (CMS)

For elimination of extraneous noise and vibration from condenser fan motor, the motors are individually isolated from the frame.

Condenser Fan motors with anti-condensation heaters built-in (CFMA)

Where application so requires.

Mixing Box (BMX)

With or without sand trap louver and bird screen on fresh air Side.

Two inch insulation (2SG)

for evaporator section.

Modular Construction (MSTD)

Models **PACS** 51005-52052 and **PACS** 61006-62065 can be produced as modular constructions. Refer page no. 44-45 for more details.

Overlapped Evap. coil construction

Use overlapped evaporator coils to limit the height of the unit with frontal fan discharge. Available for models **PACS**-52085 to **PACS**-52095 & **PACS**-62100 to **PACS**-62110, refer to page 46.

Electric Heating (HTR1)

Electric heating batteries are made up of finned heating elements, constructed from high quality 80/20 nickel chrome resistance wire centred in metal tube by compressed magnesium oxide. Helical fins are tightly wound around the tubular heating element.

Heater batteries when ordered comes with stage contactors, primary auto reset thermal safety cut-out, secondary manual reset thermal safety cut-out and air flow switch. Power fuses / circuit breaker are provided for heaters with total ampere exceeding 48 amperes. For smaller heaters, power fuses can be provided if specified. Control of the heaters will be from the **PACS** microprocessor.

Following are the optional kW ratings for electric heater. Ratings other than those specified here can be supplied on request. Consult SKM for details

MODEL PACS		HEATER (kW)	STAGES
51005	61006	7.5	1
51007	61008	9	
51008	61009	12	
51009	61011	15	
52010	62011	18	2
51012	61014	24	
52013	62014		
52015	62018	30	
52019	62023		
52024	62028	36	
52025	62030		
52028	62034	48	
52034	62040		
52039	62046		
52045	62053		
52049	62060		
52052	62065	90	3
52060	62070		
52065	62080		
52070	62085		
52080	62090	126	4
52085	62100	144	
52090	62105		
52095	62110		

Table 2

Hot Gas Bypass System (GBP)

With solenoid to enable operation of a large sized unit at very low loads, during low load demand due to application requirements or where unit is selected to work on 100% fresh air applications.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Electronic Expansion Valve (EEV)

To provide energy saving benefits over mechanical thermostatic expansion valve (TXV).

Low Ambient Operation Kit (LAO)

For unit operation down to lower than normal gulf ambient. Please specify during the time of order.

IP 55 Control Panel (ICP)

Control Panel for special applications to meet IP55 requirements.

Main Isolator (without door interlock) (ISO)

For main power isolation. (consult SKM)

Control Transformer (CXT)

This option is necessary and available for PACS models rated for 440V/3PH/50Hz or 460V/3PH/60Hz or power supplies without neutral. When ordering for these voltages, this option must be ordered.

Voltage Monitoring Module as per DEWA (DVM)

Under voltage relay as per DEWA regulations.
This option is available for Dubai, UAE only.

Circuit Breaker for Compressor (CBC)

For those electrical specifications which require additional protection.

External Overload Protection (EOP)

For those electrical specification requires additional overload protection for the compressors.

Ammeter & Phase Selector switch (AMPC)

To indicate running AMPS of each compressor.

Ammeter & Phase Selector switch (AMPI)

To indicate running AMPS on main incomer of the unit.

Voltmeter & Selector Switch (VSS)

For incoming line voltage.

UL 1995 (UL-LISTED)

Unit construction are certified and in compliance of UL 1995 safety standards. Consult SKM for availability of selected models.

Soft Starter (SFS)

To reduce the starting current of compressors using reduced voltage starting method. Compressors will be started using electronic solid state soft starters that will ramp up the speed of the compressors to rated speed within few seconds thus reducing the mechanical & electrical stresses.

Suction Pressure read out Capability (SPC)

Additional transducer in suction line to display suction pressure in microprocessor.

BMS Interface Volt free Contacts (BMVF)

Volt free contacts for run status, common fault status, auto mode status and provision for remote on/off shall be provided as option if required. For additional requirements, please contact SKM.

BMS Interface thru protocol (BMSP)

For interfacing the units with major BMS protocols such as BACNet, Modbus or LON. Extra hardware may be required depending on the protocol.

Pump Down Facility (PD)

The compressor will switch off each time with a Pump Down Cycle in order to prevent Liquid refrigerant migration to the compressor during off Cycle periods.

With this option, each circuit will be provided with an additional discharge check valve (if required) to prevent Refrigerant Migration from High side to Low side when the compressor is off.

Options for Field Installations

Anti-vibration mounts (CAVM)

Recommended for roof mounted units or other locations in the vicinity of occupied spaces, where noise may be objectionable.

Hi-Lo Pressure Gauges (CSDG1)

Without piping or isolating pet cocks.

Duct Temperature Sensor (DTS)

In order to control the unit based on return/supply air duct temperature.

Special custom built units incorporating specially required features like units for larger capacities, anti-condensation resistance heaters embedded in evaporator motors, units can be manufactured on request. Consult SKM with detailed requirements.

Contact SKM for all such applications or requirements

Capacity Control Steps

The Standard Capacity Control Steps are shown below.

PACS		Standard	Number of Steps
51005	61006	100-0	1
51007	61008	100-0	1
51008	61009	100-0	1
51009	61011	100-0	1
52010	62011	100-50-0	2
51012	61014	100-0	1
52013	62014	100-50-0	2
52015	62018	100-50-0	2
52019	62023	100-50-0	2
52024	62028	100-50-0	2
52025	62030	100-50-0	2
52028	62034	100-50-0	2
52034	62040	100-58-0	2
52039	62046	100-50-0	2
52045	62053	100-55-0	2
52049	62060	100-50-0	2
52052	62065	100-77-50-27-0	4
52060	62070	100-75-50-25-0	4
52065	62080	100-78-50-28-0	4
52070	62085	100-75-50-25-0	4
52080	62090	100-77-53-29-0	4
52085	62100	100-78-50-28-0	4
52090	62105	100-79-53-27-0	4
52095	62110	100-75-50-25-0	4

Table 3

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Selection Procedure

PACS series packaged air-conditioners should be selected with care and using sound engineering judgement. Selections based on matching total capacity alone or air flow rate alone may not be correct. To meet requirements of a specific application, sample procedure for selection is given in examples below.

	Example 1: English Units	Example 2: SI Units
Application Requirements		
Required total cooling capacity	186.0 MBh	54.5 kW
Sensible cooling capacity	126.0 MBh	36.9 kW
Condenser entering air temp db	115°F	46°C
Evaporator entering air temp. db/wb	80/67°F	26.7/19.4°C
Evaporator air flow rate	6,600 cfm	3115 l/s
External static pressure	1.00 inwg	250 Pa
Electric power supply	380V/3PH/50Hz	380V/3PH/50Hz
Refrigerant	R-22	R-22

Determine cooling capacity at design conditions.

Selection Procedure :

Enter packaged unit capacity ratings R-22 at given condition and select unit size **PACS** - 52019 having total cooling capacity 203.2 MBh (59.5 kW), and sensible cooling 149 MBh (43.7 kW), PI = 20.1 kW. Total sensible cooling capacities & power to be interpolated for untabulated data.

- For EDB other than 80°F (26.7°C), use following formula:

$$\begin{aligned} \text{Actual sensible capacity} &= \text{Rated sensible capacity} + 0.0011 (1 - \text{BPF})(\text{EDB} - 80) \times \text{cfm} & - \text{IP Units} \\ \text{Actual sensible capacity} &= \text{Rated sensible capacity} + 0.00123 (1 - \text{BPF})(\text{EDB} - 26.7) \times \text{l/s} & - \text{SI Units} \end{aligned}$$

Fan Speed & Motor Power

Refer to fan performance table on page 30 and adjust fan RPM = 1139, fan brake power 2.75 kw. Standard motor size for selected model is 4 kW.

SKM Computer Selections are available for quick, detailed and accurate selections.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACS	51005	51007	51008	51009	52010	51012
Cooling Capacity (1) (R-22)	TR		5.0	6.1	7.3	9.3	10.1	11.1
	kW		17.7	21.3	25.6	32.6	35.4	39.1
Cooling Capacity (2) (R-22)	TR		4.6	5.6	6.7	8.6	9.2	10.1
	kW		16.3	19.7	23.5	30.1	32.5	35.7
Cooling Capacity (1) (R-407C)	TR		4.9	5.9	7.3	9.2	9.7	11.0
	kW		17.1	20.7	25.5	32.2	34.1	38.8
Cooling Capacity (2) (R-407C)	TR		4.4	5.3	6.6	8.3	8.8	9.9
	kW		15.6	18.8	23.1	29.3	31.1	34.9
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	1	1	1	1	2	1
	Oil Charge Ckt (A / B)	US Gal	0.47	0.47	0.66	0.86	0.47 / 0.47	0.86
		Liter	1.8	1.8	2.5	3.3	1.77 / 1.77	3.3
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft²	9.7	12.2	19.4	19.4	19.4	19.4
		m²	0.9	1.1	1.8	1.8	1.8	1.8
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Quantity	-	628/1	723/1	628/2	628/2	628/2	628/2
	Air Flow Rate	cfm	4460	6620	9240	8920	8920	8920
		l/s	2105	3124	4361	4210	4210	4210
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	0.37/1	0.75/1	0.37/2	0.37/2	0.37/2	0.37/2
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	4.7	5.6	5.6	6.7	9.0	9.0
		m²	0.4	0.5	0.5	0.6	0.8	0.8
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N10/1	N10/1	N10/1	N12/1	N15/1	N15/1
	Air Flow Rate	cfm	2000	2500	2700	3200	4170	4500
		l/s	944	1180	1274	1510	1968	2124
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	1.1	1.1	1.5	1.5	2.2	2.2
Refrigerant (R-22) Operating Charge Ckt (A / B)	lbs		8.8	10.6	12.2	17.2	8.4 / 8.4	18.1
	kg		4.0	4.8	5.5	7.8	3.8 / 3.8	8.2
Refrigerant (R-407C) Operating Charge Ckt (A / B)	lbs		8.3	10.0	11.5	16.2	8.4 / 8.4	17.1
	kg		3.8	4.5	5.2	7.4	3.8 / 3.8	7.8
Number of Refrigerant Circuits	-		1	1	1	1	2	1
Unit Operating Weight	lbs		1067	1114	1424	1499	1592	1542
	kg		484	506	646	680	722	700

Table 4

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340/360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACS	52013	52015	52019	52024	52025	52028
Cooling Capacity (1) (R-22)		TR	12.3	14.4	18.4	20.7	23.3	26.7
		kW	43.3	50.8	64.8	72.7	81.8	93.8
Cooling Capacity (2) (R-22)		TR	11.3	13.3	16.9	18.9	21.2	24.2
		kW	39.9	46.6	59.5	66.5	74.5	85.2
Cooling Capacity (1) (R-407C)		TR	12.0	14.4	18.1	20.4	23.2	26.2
		kW	42.1	50.6	63.8	71.8	81.6	92.1
Cooling Capacity (2) (R-407C)		TR	10.8	13.0	16.4	18.4	20.9	23.6
		kW	38.2	45.8	57.7	64.8	73.6	83.1
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	2	2	2	2	2	2
	Oil Charge Ckt (A / B)	US Gal	0.47 / 0.47	0.66 / 0.66	0.86 / 0.86	0.86 / 0.86	0.86 / 0.86	0.86 / 0.86
		Liter	1.77 / 1.77	2.51 / 2.51	3.25 / 3.25	3.25 / 3.25	3.25 / 3.25	3.25 / 3.25
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft²	24.4	26.3	26.3	26.3	35.6	40.0
		m²	2.3	2.4	2.4	2.4	3.3	3.7
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Quantity	-	723/2	723/2	823/2	823/2	823/3	823/3
	Air Flow Rate	cfm	13240	13400	17360	16400	25200	26160
		l/s	6249	6324	8193	7740	11893	12346
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	0.75/2	0.75/2	1.5/2	1.5/2	1.5/3	1.5/3
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	11.7	11.7	13.6	14.6	17.2	18.8
		m²	1.1	1.1	1.3	1.4	1.6	1.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N15/1	N15/1	N12/2	N12/2	N15/2	N15/2
	Air Flow Rate	cfm	5200	5200	6600	7300	8600	9400
		l/s	2454	2454	3115	3445	4059	4436
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	2.2	2.2	3.0	4.0	4.0	5.5
Refrigerant (R-22) Operating Charge Ckt (A / B)		lbs	10.4 / 10.4	12.3 / 12.3	12.5 / 12.5	15.9 / 15.9	16.5 / 16.5	18.9 / 18.9
		kg	4.7 / 4.7	5.6 / 5.6	5.7 / 5.7	7.2 / 7.2	7.5 / 7.5	8.6 / 8.6
Refrigerant (R-407C) Operating Charge Ckt (A / B)		lbs	10.2 / 10.2	11.7 / 11.7	12 / 12	15.1 / 15.1	15.5 / 15.5	17.9 / 17.9
		kg	4.6 / 4.6	5.3 / 5.3	5.4 / 5.4	6.8 / 6.8	7 / 7	8.1 / 8.1
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight		lbs	1691	2070	2186	2309	2782	2964
		kg	767	939	992	1047	1262	1345

Table 4 continued

Notes :

- 1) Capacity rating in accordance with AHRI standard 210/240 & 340/360.
- 2) Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- 3) Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACS	52034	52039	52045	52049	52052	52060
Cooling Capacity (1) (R-22)	TR		30.3	34.2	40.0	45.4	52.6	57.4
	kW		106.4	120.3	140.5	159.7	185.1	201.9
Cooling Capacity (2) (R-22)	TR		27.7	31.6	36.8	41.7	47.8	51.8
	kW		97.5	111.0	129.4	146.8	168.2	182.2
Cooling Capacity (1) (R-407C)	TR		29.8	33.8	39.6	45.2	52.2	56.6
	kW		104.9	119.0	139.4	158.9	183.8	199.0
Cooling Capacity (2) (R-407C)	TR		27.0	30.7	35.8	40.7	47.0	50.3
	kW		95.0	108.0	126.1	143.1	165.4	176.9
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	2	2	2	2	4	4
	Oil Charge Ckt (A / B)	US Gal	1.23 / 0.86	1.24 / 1.24	1.82 / 1.25	1.82 / 1.82	1.8 / 1.8	1.8 / 1.8
		Liter	4.67 / 3.25	4.71 / 4.71	6.9 / 4.73	6.9 / 6.9	6.81 / 6.81	6.82 / 6.82
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft ²	40.0	53.3	64.0	72.0	72.0	72.0
		m ²	3.7	5.0	5.9	6.7	6.7	6.7
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Quantity	-	823/3	829/3	823/4	829/4	829/4	829/4
	Air Flow Rate	cfm	24780	32040	36480	42880	40920	40920
		l/s	11695	15121	17217	20237	19312	19312
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	1.5/3	1.5/3	1.5/4	1.5/4	1.5/4	1.5/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft ²	20.8	23.4	29.2	34.4	37.5	43.0
		m ²	1.9	2.2	2.7	3.2	3.5	4.0
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N15/2	N15/2	N18/2	N18/2	N18/2	N710/1
	Air Flow Rate	cfm	10400	11700	14600	17200	18750	21000
		l/s	4908	5522	6890	8117	8849	9911
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	5.5	7.5	7.5	11.0	15.0	15.0
Refrigerant (R-22) Operating Charge Ckt (A / B)	lbs		22.9 / 17.2	25.4 / 25.4	34.2 / 29	34.7 / 34.7	50.5 / 50.5	51.6 / 51.6
	kg		10.4 / 7.8	11.5 / 11.5	15.5 / 13.2	15.73 / 15.73	22.9 / 22.9	23.4 / 23.4
Refrigerant (R-407C) Operating Charge Ckt (A / B)	lbs		21.7 / 16.4	24.1 / 24.1	32.4 / 27.6	32.9 / 32.9	47.7 / 47.7	48.8 / 48.8
	kg		9.8 / 7.4	10.9 / 10.9	14.7 / 12.5	14.9 / 14.9	21.6 / 21.6	22.1 / 22.1
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight	lbs		3244	3562	4575	4944	6767	6948
	kg		1472	1616	2075	2243	3069	3151

Table 4 continued

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340/360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACS	52065	52070	52080	52085	52090	52095
Cooling Capacity (1) (R-22)		TR	66.4	71.4	78.2	85.4	89.8	94.4
		kW	233.5	251.3	275.1	300.5	315.7	332.0
Cooling Capacity (2) (R-22)		TR	60.9	65.9	72.2	78.7	82.5	86.6
		kW	214.1	231.8	253.8	276.7	290.2	304.4
Cooling Capacity (1) (R-407C)		TR	65.8	70.8	77.8	85.2	89.4	94.0
		kW	231.3	248.9	273.6	299.5	314.5	330.5
Cooling Capacity (2) (R-407C)		TR	59.5	64.2	70.5	76.9	80.4	83.9
		kW	209.4	225.7	248.1	270.4	282.7	295.1
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	4	4	4	4	4	4
	Oil Charge Ckt (A / B)	US Gal	2.23 / 2.23	2.6 / 2.6	3.16 / 2.58	3.17 / 3.17	3.73 / 3.16	3.73 / 3.73
		Liter	8.43 / 8.43	9.83 / 9.83	11.97 / 9.75	11.99 / 11.99	14.13 / 11.97	14.11 / 14.11
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft²	130.0	130.0	130.0	130.0	130.0	130.0
		m²	12.1	12.1	12.1	12.1	12.1	12.1
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Quantity	-	829/4	829/4	823/8	823/8	823/8	823/8
	Air Flow Rate	cfm	46440	46440	71800	70400	70400	70400
		l/s	21917	21917	33886	33225	33225	33225
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	1.5/4	1.5/4	1.5/8	1.5/8	1.5/8	1.5/8
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	49.0	49.0	55.1	63.8	67.5	71.9
		m²	4.6	4.6	5.1	5.9	6.3	6.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N710/1	N710/1	N800/1	N900/1	N900/1	N900/1
	Air Flow Rate	cfm	23000	23000	25600	30000	31500	33500
		l/s	10855	10855	12082	14158	14866	15810
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	15.0	15.0	15.0	15.0	15.0	18.5
Refrigerant (R-22) Operating Charge Ckt (A / B)		lbs	82.7 / 82.7	83 / 83	89.5 / 71.8	91.5 / 91.5	97.7 / 88.4	94.8 / 94.8
		kg	37.5 / 37.5	37.6 / 37.6	40.6 / 32.6	41.5 / 41.5	44.3 / 40.1	43 / 43
Refrigerant (R-407C) Operating Charge Ckt (A / B)		lbs	78.1 / 78.1	78.3 / 78.3	84.6 / 67.9	86.4 / 86.4	92.2 / 83.4	89.4 / 89.4
		kg	35.4 / 35.4	35.5 / 35.5	38.4 / 30.8	39.2 / 39.2	41.8 / 37.8	40.6 / 40.6
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight		lbs	10434	10590	11454	12030	12253	12581
		kg	4733	4804	5195	5457	5558	5707

Table 4 ends

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340/360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACS	61006	61008	61009	61011	62011	61014
Cooling Capacity (1) (R-22)	TR		6.0	7.2	8.5	10.9	12.0	13.0
	kW		21.1	25.5	30.0	38.2	42.4	45.7
Cooling Capacity (2) (R-22)	TR		5.6	6.7	7.9	10.0	11.2	11.9
	kW		19.6	23.4	27.7	35.3	39.2	42.0
Cooling Capacity (1) (R-407C)	TR		5.8	7.0	8.5	10.7	11.6	12.9
	kW		20.4	24.7	29.7	37.6	40.8	45.3
Cooling Capacity (2) (R-407C)	TR		5.3	6.4	7.7	9.8	10.6	11.7
	kW		18.6	22.4	26.9	34.3	37.2	41.1
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	1	1	1	1	2	1
	Oil Charge	US Gal	0.47	0.47	0.66	0.86	0.47 / 0.47	0.86
	Ckt (A / B)	Liter	1.8	1.8	2.5	3.3	1.77 / 1.77	3.3
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft ²	9.7	12.2	19.4	19.4	19.4	19.4
		m ²	0.9	1.1	1.8	1.8	1.8	1.8
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Quantity	-	628/1	723/1	628/2	628/2	628/2	628/2
	Air Flow Rate	cfm	5410	7830	11200	10820	10820	10820
		l/s	2553	3695	5286	5106	5106	5106
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	0.55/1	1.1/1	0.55/2	0.55/2	0.55/2	0.55/2
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft ²	4.7	5.6	5.6	6.7	9.0	9.0
		m ²	0.4	0.5	0.5	0.6	0.8	0.8
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Quantity	-	N10/1	N10/1	N10/1	N12/1	N15/1	N15/1
	Air Flow Rate	cfm	2000	2500	2700	3200	4170	4500
		l/s	944	1180	1274	1510	1968	2124
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	1.1	1.1	1.5	1.5	2.2	2.2
Refrigerant (R-22) Operating Charge Ckt (A / B)	lbs		9.2	11.1	12.7	17.8	8.8 / 8.8	18.9
	kg		4.2	5.0	5.8	8.1	4 / 4	8.6
Refrigerant (R-407C) Operating Charge Ckt (A / B)	lbs		8.7	10.5	12.0	16.8	8.8 / 8.8	17.9
	kg		3.9	4.8	5.4	7.6	4 / 4	8.1
Number of Refrigerant Circuits		-	1	1	1	1	2	1
Unit Operating Weight	lbs		1077	1127	1439	1516	1612	1563
	kg		489	511	653	688	731	709

Table 5

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340 / 360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACS	62014	62018	62023	62028	62030	62034
Cooling Capacity (1) (R-22)		TR	14.7	16.9	21.5	24.2	26.9	31.4
		kW	51.6	59.3	75.7	85.0	94.7	110.4
Cooling Capacity (2) (R-22)		TR	13.5	15.5	19.8	22.2	24.7	28.7
		kW	47.5	54.6	69.7	77.9	86.7	100.8
Cooling Capacity (1) (R-407C)		TR	14.3	16.7	21.2	23.8	26.9	30.5
		kW	50.1	58.7	74.4	83.6	94.6	107.2
Cooling Capacity (2) (R-407C)		TR	12.9	15.1	19.2	21.6	24.3	27.6
		kW	45.4	53.0	67.6	75.9	85.5	97.1
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	2	2	2	2	2	2
	Oil Charge	US Gal	0.47 / 0.47	0.66 / 0.66	0.86 / 0.86	0.86 / 0.86	0.86 / 0.86	0.86 / 0.86
	Ckt (A / B)	Liter	1.77 / 1.77	2.51 / 2.51	3.25 / 3.25	3.25 / 3.25	3.25 / 3.25	3.25 / 3.25
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft²	24.4	26.3	26.3	26.3	35.6	40.0
		m²	2.3	2.4	2.4	2.4	3.3	3.7
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Quantity	-	723/2	723/2	823/2	823/2	823/3	823/3
	Air Flow Rate	cfm	15660	15880	21140	20020	30720	31860
		l/s	7391	7495	9977	9448	14498	15036
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	1.1/2	1.1/2	2.2/2	2.2/2	2.2/3	2.2/3
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	11.7	11.7	13.6	14.6	17.2	18.8
		m²	1.1	1.1	1.3	1.4	1.6	1.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N15/1	N15/1	N12/2	N12/2	N15/2	N15/2
	Air Flow Rate	cfm	5200	5200	6600	7300	8600	9400
		l/s	2454	2454	3115	3445	4059	4436
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	2.2	3.0	4.0	4.0	5.5	5.5
Refrigerant (R-22) Operating Charge Ckt (A / B)		lbs	10.9 / 10.9	12.8 / 12.8	13.1 / 13.1	16.5 / 16.5	17.2 / 17.2	19.7 / 19.7
		kg	4.9 / 4.9	5.8 / 5.8	6 / 6	7.5 / 7.5	7.8 / 7.8	9 / 9
Refrigerant (R-407C) Operating Charge Ckt (A / B)		lbs	10.7 / 10.7	12.2 / 12.2	12.5 / 12.5	15.7 / 15.7	16.2 / 16.2	18.7 / 18.7
		kg	4.9 / 4.9	5.5 / 5.5	5.7 / 5.7	7.1 / 7.1	7.4 / 7.4	8.5 / 8.5
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight		lbs	1718	2106	2240	2352	2866	3024
		kg	779	955	1016	1067	1300	1372

Table 5 continued

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340 / 360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACS	62040	62046	62053	62060	62065	62070
Cooling Capacity (1) (R-22)	TR		35.6	40.2	46.9	53.1	61.3	67.4
	kW		125.4	141.5	164.9	186.6	215.5	237.0
Cooling Capacity (2) (R-22)	TR		32.8	37.3	43.3	48.9	56.0	61.5
	kW		115.5	131.2	152.4	172.1	197.0	216.2
Cooling Capacity (1) (R-407C)	TR		34.7	39.3	46.0	52.2	60.4	65.7
	kW		122.2	138.3	161.8	183.7	212.6	230.9
Cooling Capacity (2) (R-407C)	TR		31.5	35.8	41.7	47.3	54.6	59.3
	kW		110.9	125.8	146.7	166.3	192.0	208.4
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	2	2	2	2	4	4
	Oil Charge Ckt (A / B)	US Gal	1.24 / 0.86	1.25 / 1.25	1.82 / 1.25	1.83 / 1.83	1.8 / 1.8	1.81 / 1.81
		Liter	4.7 / 3.25	4.72 / 4.72	6.91 / 4.74	6.91 / 6.91	6.83 / 6.83	6.84 / 6.84
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft ²	40.0	53.3	64.0	72.0	72.0	72.0
		m ²	3.7	5.0	5.9	6.7	6.7	6.7
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Quantity	-	823/3	829/3	823/4	829/4	829/4	829/4
	Air Flow Rate	cfm	30210	38700	44400	51760	49560	49560
		l/s	14258	18264	20954	24428	23390	23390
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	2.2/3	2.2/3	2.2/4	2.2/4	2.2/4	2.2/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft ²	20.8	23.4	29.2	34.4	37.5	43.0
		m ²	1.9	2.2	2.7	3.2	3.5	4.0
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Quantity	-	N15/2	N15/2	N18/2	N18/2	N18/2	N710/1
	Air Flow Rate	cfm	10400	11700	14600	17200	18750	21000
		l/s	4908	5522	6890	8117	8849	9911
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	5.5	7.5	7.5	11.0	15.0	15.0
Refrigerant (R-22) Operating Charge Ckt (A / B)	lbs		24 / 18.1	26.5 / 26.5	35.6 / 30.3	36.2 / 36.2	53.7 / 53.7	55.2 / 55.2
	kg		10.9 / 8.2	12 / 12	16.1 / 13.7	16.4 / 16.4	24.4 / 24.4	25.1 / 25.1
Refrigerant (R-407C) Operating Charge Ckt (A / B)	lbs		22.6 / 17.1	25.1 / 25.1	33.7 / 28.7	34.2 / 34.2	50.6 / 50.6	52.2 / 52.2
	kg		10.3 / 7.7	11.4 / 11.4	15.3 / 13	15.5 / 15.5	23 / 23	23.7 / 23.7
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight	lbs		3307	3629	4661	5038	6896	7090
	kg		1500	1646	2114	2285	3128	3216

Table 5 continued

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340 / 360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACS	62080	62085	62090	62100	62105	62110
Cooling Capacity (1) (R-22)		TR	78.2	83.9	91.5	100.0	104.8	109.9
		kW	274.9	295.2	321.9	351.5	368.4	386.6
Cooling Capacity (2) (R-22)		TR	72.0	77.8	84.8	92.4	96.6	101.2
		kW	253.2	273.5	298.1	324.8	339.8	356.0
Cooling Capacity (1) (R-407C)		TR	76.5	82.2	90.0	98.5	103.2	108.3
		kW	269.1	289.1	316.4	346.2	362.9	380.9
Cooling Capacity (2) (R-407C)		TR	69.4	74.7	81.8	89.3	93.5	97.9
		kW	244.2	262.5	287.6	314.1	328.7	344.5
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	4	4	4	4	4	4
	Oil Charge Ckt (A / B)	US Gal	2.23 / 2.23	2.6 / 2.6	3.17 / 2.58	3.18 / 3.18	3.73 / 3.18	3.74 / 3.74
		Liter	8.46 / 8.46	9.86 / 9.86	12.01 / 9.78	12.02 / 12.02	14.14 / 12.04	14.15 / 14.15
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8mm) fin spacing, Cu tubes, Al fins					
	Face Area	ft²	130.0	130.0	130.0	130.0	130.0	130.0
		m²	12.1	12.1	12.1	12.1	12.1	12.1
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Quantity	-	829/4	829/4	823/8	823/8	823/8	823/8
	Air Flow Rate	cfm	55880	55880	87440	85760	85760	85760
		l/s	26372	26372	41267	40474	40474	40474
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	2.2/4	2.2/4	2.2/8	2.2/8	2.2/8	2.2/8
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	49.0	49.0	55.1	63.8	67.5	71.9
		m²	4.6	4.6	5.1	5.9	6.3	6.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N710/1	N710/1	N800/1	N900/1	N900/1	N900/1
	Air Flow Rate	cfm	23000	23000	25600	30000	31500	33500
		l/s	10855	10855	12082	14158	14866	15810
Evaporator Motor	Type	-	Totally enclosed, fan cooled Class F insulation, 4-pole IP55					
	Size	kW	15.0	15.0	15.0	15.0	15.0	18.5
Refrigerant (R-22) Operating Charge Ckt (A / B)		lbs	86.8 / 86.8	87 / 87	94.7 / 75.9	96.8 / 96.8	98.6 / 98.6	100.7 / 100.7
		kg	39.4 / 39.4	39.5 / 39.5	42.9 / 34.4	43.9 / 43.9	44.7 / 44.7	45.7 / 45.7
Refrigerant (R-407C) Operating Charge Ckt (A / B)		lbs	81.9 / 81.9	82.1 / 82.1	89.4 / 71.7	91.4 / 91.4	93.1 / 93.1	95 / 95
		kg	37.1 / 37.1	37.2 / 37.2	40.6 / 32.5	41.4 / 41.4	42.2 / 42.2	43.1 / 43.1
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight		lbs	10591	10747	11666	12262	12493	12831
		kg	4804	4875	5291	5562	5667	5820

Table 5 ends

Notes :

- Capacity rating in accordance with AHRI standard 210/240 & 340 / 360.
- Capacity ratings based on evaporator entering air temperatures of 80/67 °F (26.7/19.4 °C) dry bulb/wet bulb and condenser entering air temperature of 115 °F (46 °C).
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 50 Hz (R-22)

Model PACS	AFR cfm l/s (BPF)	EWB	Condenser Entering Air Temperature																									
			95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)							
			Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *						
			MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW						
51005	1633	62	16.7	54	15.8	47	13.8	4.1	51.8	15.2	46	13.5	4.6	49.3	14.5	45	13.2	5.2	46.3	13.6	43.8	12.8	5.8	46.3	13.6	43.8	12.8	5.8
	771	67	19.4	58.5	17.1	39	11.4	4.1	56.2	16.5	38.2	11.2	4.7	53.7	15.7	37.2	10.9	5.3	51.4	15.1	36.3	10.7	5.9	51.4	15.1	36.3	10.7	5.9
	0.2	72	22.2	63.2	18.5	31	9.1	4.2	60.7	17.8	30.2	8.8	4.8	58.2	17.1	29.3	8.6	5.4	55.7	16.3	28.4	8.3	6	55.7	16.3	28.4	8.3	6
	2000	62	16.7	55.8	16.3	52.1	15.3	4.1	53.2	15.6	51	15	4.7	50.1	14.7	49.7	14.6	5.3	47.2	13.8	47.2	13.8	5.8	47.2	13.8	47.2	13.8	5.8
	944	67	19.4	60.5	17.7	42.8	12.5	4.2	58.1	17	41.9	12.3	4.7	55.6	16.3	41	12	5.3	53.1	15.6	40.1	11.7	5.9	53.1	15.6	40.1	11.7	5.9
	0.22	72	22.2	65.3	19.1	33.4	9.8	4.3	62.7	18.4	32.5	9.5	4.8	60	17.6	31.6	9.3	5.5	57.3	16.8	30.8	9	6	57.3	16.8	30.8	9	6
	2567	62	16.7	57	16.7	57	16.7	4.1	54.1	15.9	54.1	15.9	4.7	51.1	15	51.1	15	5.3	48.4	14.2	48.4	14.2	5.8	48.4	14.2	48.4	14.2	5.8
	1211	67	19.4	62.7	18.4	48.1	14.1	4.2	60.1	17.6	47.2	13.8	4.8	57.5	16.8	46.3	13.6	5.4	54.9	16.1	45.4	13.3	5.9	54.9	16.1	45.4	13.3	5.9
	0.26	72	22.2	67.4	19.7	36.7	10.7	4.3	64.6	18.9	35.8	10.5	4.9	61.8	18.1	34.9	10.2	5.5	59.1	17.3	34.1	10	6.1	59.1	17.3	34.1	10	6.1
51007	1944	62	16.7	64.7	19	56.1	16.4	4.6	62.1	18.2	55	16.1	5.2	59.3	17.4	53.8	15.8	5.9	56	16.4	52.4	15.4	6.6	56	16.4	52.4	15.4	6.6
	917	67	19.4	69.8	20.5	46.5	13.6	4.7	67.2	19.7	45.6	13.4	5.4	64.4	18.9	44.5	13	6	61.7	18.1	43.5	12.7	6.7	61.7	18.1	43.5	12.7	6.7
	0.2	72	22.2	75.4	22.1	37	10.8	4.8	72.6	21.3	36	10.6	5.4	69.7	20.4	35	10.3	6.1	66.7	19.5	34	10	6.8	66.7	19.5	34	10	6.8
	2500	62	16.7	67.2	19.7	63.7	18.7	4.7	64.1	18.8	62.4	18.3	5.3	60.6	17.8	60.6	17.8	5.9	57.2	16.8	57.2	16.8	6.6	57.2	16.8	57.2	16.8	6.6
	1180	67	19.4	72.7	21.3	52.2	15.3	4.8	70	20.5	51.2	15	5.4	67.1	19.7	50.1	14.7	6.1	64.1	18.8	49	14.4	6.7	64.1	18.8	49	14.4	6.7
	0.23	72	22.2	78.4	23	40.5	11.9	4.9	75.5	22.1	39.6	11.6	5.5	72.3	21.2	38.5	11.3	6.2	69.1	20.2	37.5	11	6.9	69.1	20.2	37.5	11	6.9
	3056	62	16.7	68.2	20	68.2	20	4.7	64.9	19	64.9	19	5.3	61.5	18	61.5	18	6	58.3	17.1	58.3	17.1	6.6	58.3	17.1	58.3	17.1	6.6
	1442	67	19.4	74.7	21.9	57.3	16.8	4.8	71.9	21.1	56.3	16.5	5.4	68.9	20.2	55.3	16.2	6.1	65.8	19.3	54.2	15.9	6.8	65.8	19.3	54.2	15.9	6.8
	0.26	72	22.2	80.4	23.6	43.7	12.8	4.9	77.3	22.7	42.7	12.5	5.5	74	21.7	41.7	12.2	6.3	70.6	20.7	40.7	11.9	7	70.6	20.7	40.7	11.9	7
51008	1944	62	16.7	75.7	22.2	63.9	18.7	5.4	72.6	21.3	62.5	18.3	6.1	69.1	20.3	61	17.9	6.9	64.9	19	59.1	17.3	7.7	64.9	19	59.1	17.3	7.7
	917	67	19.4	81.8	24	53.4	15.7	5.5	78.6	23	52.1	15.3	6.2	75.3	22.1	50.8	14.9	7	71.9	21.1	49.5	14.5	7.8	71.9	21.1	49.5	14.5	7.8
	0.11	72	22.2	88.5	25.9	42.9	12.6	5.6	85.1	25	41.7	12.2	6.3	81.6	23.9	40.4	11.9	7.1	78.1	22.9	39.2	11.5	7.9	78.1	22.9	39.2	11.5	7.9
	2700	62	16.7	79.8	23.4	75.8	22.2	5.4	75.7	22.2	74.1	21.7	6.1	71.5	21	71.5	21	7	67.6	19.8	67.6	19.8	7.8	67.6	19.8	67.6	19.8	7.8
	1274	67	19.4	87.3	25.6	62.5	18.3	5.6	83.9	24.6	61.3	18	6.3	80.3	23.5	59.9	17.6	7.1	76.7	22.5	58.6	17.2	7.9	76.7	22.5	58.6	17.2	7.9
	0.13	72	22.2	94.4	27.7	48.8	14.3	5.7	90.6	26.6	47.5	13.9	6.5	86.7	25.4	46.2	13.5	7.3	82.6	24.2	44.9	13.2	8	82.6	24.2	44.9	13.2	8
	3056	62	16.7	80.5	23.6	80.5	23.6	5.4	76.6	22.4	76.6	22.4	6.2	72.5	21.3	72.5	21.3	7										

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 50 Hz (R-22)

Model PACS	AFR cfm l/s (BPF)	EWB			Condenser Entering Air Temperature																												
					95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)										
					Total Capacity			Sensible Capacity			PI *			Total Capacity			Sensible Capacity			PI *			Total Capacity			Sensible Capacity			PI *				
					MBh	kW		MBh	kW	kW	MBh	kW		MBh	kW	kW	MBh	kW		MBh	kW	kW	MBh	kW		MBh	kW	kW	MBh	kW	kW		
52019	4769	62	16.7	192.7	56.5	159.9	46.9	15	184.8	54.2	156.3	45.8	17.2	176.4	51.7	152.6	44.7	19.5	168.2	49.3	149	43.7	21.6	168.2	49.3	149	43.7	21.6	168.2	49.3	149	43.7	21.6
	2251	67	19.4	207.3	60.8	133.7	39.2	15.3	199.3	58.4	130.5	38.2	17.5	190.9	56	127.1	37.3	19.8	182.8	53.6	123.9	36.3	21.8	182.8	53.6	123.9	36.3	21.8	182.8	53.6	123.9	36.3	21.8
	0.11	72	22.2	223.6	65.5	107.6	31.5	15.8	215	63	104.4	30.6	17.9	206.2	60.4	101.3	29.7	20.1	197.8	58	98.4	28.8	22.1	197.8	58	98.4	28.8	22.1	197.8	58	98.4	28.8	22.1
	6600	62	16.7	204.4	59.9	189.3	55.5	15.3	194.1	56.9	185	54.2	17.4	183.4	53.8	180.5	52.9	19.7	173.6	50.9	173.6	50.9	21.7	173.6	50.9	173.6	50.9	21.7	173.6	50.9	173.6	50.9	21.7
	3115	67	19.4	220.9	64.8	155.7	45.6	15.7	212.2	62.2	152.4	44.7	17.8	203.2	59.5	149	43.7	20	194.6	57	145.8	42.7	22	194.6	57	145.8	42.7	22	194.6	57	145.8	42.7	22
	0.13	72	22.2	237.7	69.7	121.6	35.6	16.1	228.3	66.9	118.4	34.7	18.3	218.6	64.1	115.2	33.8	20.5	213.9	62.7	113.6	33.3	21.5	213.9	62.7	113.6	33.3	21.5	213.9	62.7	113.6	33.3	21.5
	7494	62	16.7	206.5	60.5	201.9	59.2	15.3	196	57.5	196	57.5	17.5	185.6	54.4	185.6	54.4	19.7	176	51.6	176	51.6	21.7	176	51.6	176	51.6	21.7	176	51.6	176	51.6	21.7
	3537	67	19.4	225.4	66.1	165.5	48.5	15.8	216.4	63.4	162.2	47.5	18	207.2	60.7	158.8	46.5	20.1	198.4	58.2	155.6	45.6	22.1	198.4	58.2	155.6	45.6	22.1	198.4	58.2	155.6	45.6	22.1
	0.14	72	22.2	242.2	71	127.7	37.4	16.2	232.4	68.1	124.5	36.5	18.4	222.5	65.2	121.3	35.5	20.6	217.7	63.8	119.7	35.1	21.6	217.7	63.8	119.7	35.1	21.6	217.7	63.8	119.7	35.1	21.6
	5104	62	16.7	214.9	63	175.1	51.3	16.9	205.7	60.3	170.9	50.1	19.2	195.8	57.4	166.4	48.8	21.8	186.2	54.6	162.1	47.5	24.1	186.2	54.6	162.1	47.5	24.1	186.2	54.6	162.1	47.5	24.1
2409	67	19.4	231.5	67.8	147.1	43.1	17.3	221.6	65	143	41.9	19.6	211.7	62.1	139	40.8	22.1	202.3	59.3	135.2	39.6	24.3	202.3	59.3	135.2	39.6	24.3	202.3	59.3	135.2	39.6	24.3	
52024	0.11	72	22.2	249.3	73.1	118.8	34.8	17.7	239.1	70.1	115.1	33.7	20.1	228.7	67	111.3	32.6	22.5	218.8	64.1	107.8	31.6	24.5	218.8	64.1	107.8	31.6	24.5	218.8	64.1	107.8	31.6	24.5
	7300	62	16.7	229.8	67.4	210.4	61.7	17.2	219.3	64.3	206	60.4	19.6	206.1	60.4	200.4	58.7	22	194.1	56.9	194.1	56.9	24.2	194.1	56.9	194.1	56.9	24.2	194.1	56.9	194.1	56.9	24.2
	3445	67	19.4	248.1	72.7	173.2	50.8	17.7	237.6	69.6	169.3	49.6	20	226.8	66.5	165.2	48.4	22.4	216.6	63.5	161.4	47.3	24.5	216.6	63.5	161.4	47.3	24.5	216.6	63.5	161.4	47.3	24.5
	0.14	72	22.2	266.3	78.1	135.4	39.7	18.2	255.1	74.8	131.6	38.6	20.5	243.7	71.4	127.8	37.4	22.8	232.6	68.2	124.1	36.4	24.7	232.6	68.2	124.1	36.4	24.7	232.6	68.2	124.1	36.4	24.7
	8021	62	16.7	233	68.3	221	64.8	17.3	220.7	64.7	215.9	63.3	19.6	207.7	60.9	207.7	60.9	22	196	57.5	196	57.5	24.2	196	57.5	196	57.5	24.2	196	57.5	196	57.5	24.2
	3785	67	19.4	251.7	73.8	181.1	53.1	17.8	241.1	70.7	177.1	51.9	20.1	230.1	67.4	173	50.7	22.5	219.7	64.4	169.2	49.6	24.6	219.7	64.4	169.2	49.6	24.6	219.7	64.4	169.2	49.6	24.6
	0.14	72	22.2	269.9	79.1	140.2	41.1	18.3	258.4	75.7	136.4	40	20.6	246.8	72.3	132.6	38.9	22.8	241.1	70.7	130.8	38.3	23.9	241.1	70.7	130.8	38.3	23.9</					

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 50 Hz (R-22)

Model PACS	AFR	Condenser Entering Air Temperature																								
	cfm	EWB	95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)					
			Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *				
			MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW		
	(BPF)	°F	°C																							
52052	11250	62	16.7	528.2	154.8	428.6	125.6	41.3	502.8	147.4	416.4	122.1	46.8	475.3	139.3	403.6	118.3	52.7	443.8	130.1	389.2	114.1	58.2			
	5309	67	19.4	569.3	166.9	361.4	105.9	42.3	544.2	159.5	350.7	102.8	47.8	517.7	151.7	339.5	99.5	53.6	492.6	144.4	329.2	96.5	58.9			
	0.02	72	22.2	615	180.2	294.1	86.2	43.4	588.7	172.5	284.1	83.3	48.8	561.3	164.5	273.8	80.2	54.4	535.5	157	264.2	77.4	59.4			
	18750	62	16.7	569.6	167	566.2	166	42.4	538.2	157.8	538.2	157.8	47.7	506.4	148.4	506.4	148.4	53.4	477.3	139.9	477.3	139.9	58.7			
	8849	67	19.4	631.4	185.1	467.8	137.1	43.8	603.2	176.8	457.1	134	49.1	574	168.2	446.1	130.8	54.6	541.8	158.8	434.1	127.2	59.5			
	0.04	72	22.2	678.5	198.9	361.2	105.9	44.7	648.1	190	350.9	102.9	50	617.1	180.9	340.5	99.8	55.3	588.1	172.4	331.1	97	59.9			
	20625	62	16.7	575.1	168.6	575.1	168.6	42.5	544.2	159.5	544.2	159.5	47.8	512.8	150.3	512.8	150.3	53.5	483.9	141.8	483.9	141.8	58.8			
	9734	67	19.4	641.2	187.9	492.9	144.5	44	612.5	179.5	482	141.3	49.3	579.9	170	470.1	137.8	54.8	545.7	159.9	457.5	134.1	59.6			
	0.05	72	22.2	688	201.7	376.7	110.4	44.9	657.1	192.6	366.5	107.4	50.2	625.6	183.4	356.3	104.4	55.5	0	0	0	0	0			
	52060	12900	62	16.7	579.1	169.7	478.8	140.3	46.5	550.5	161.3	465.4	136.4	52.6	515.9	151.2	449.4	131.7	58.8	481.6	141.2	434	127.2	64.5		
6088		67	19.4	625.5	183.3	402.7	118	47.6	597.1	175	390.8	114.5	53.6	567.8	166.4	378.7	111	59.7	540.6	158.5	367.6	107.7	65			
0.02		72	22.2	675.3	197.9	325.9	95.5	48.8	645.5	189.2	314.7	92.2	54.6	615.3	180.3	303.4	88.9	60.4	586.6	171.9	292.9	85.8	65			
21000		62	16.7	617.5	181	617.5	181	47.4	583.6	171.1	583.6	171.1	53.3	549.7	161.1	549.7	161.1	59.4	518.9	152.1	518.9	152.1	64.8			
9911		67	19.4	688.9	201.9	517.4	151.6	49.1	657.2	192.6	505.4	148.1	54.9	621.6	182.2	492	144.2	60.4	585.1	171.5	478.6	140.3	65			
0.04		72	22.2	739.4	216.7	397.8	116.6	50.3	705.6	206.8	386.5	113.3	55.7	671.7	196.9	375.3	110	60.9	0	0	0	0	0			
23650		62	16.7	625.8	183.4	625.8	183.4	47.6	592.4	173.6	592.4	173.6	53.5	558.7	163.7	558.7	163.7	59.6	527.9	154.7	527.9	154.7	64.9			
11162		67	19.4	701.9	205.7	552.6	162	49.4	666.8	195.4	539.6	158.2	55.1	626.9	183.7	525.1	153.9	60.5	591.3	173.3	512.4	150.2	65			
0.05		72	22.2	752.2	220.5	419.9	123.1	50.5	717.7	210.4	408.6	119.8	55.9	0	0	0	0	0	0	0	0	0	0			
52065		14700	62	16.7	673.7	197.4	552.1	161.8	51.7	644.8	189	538.4	157.8	58.5	613.5	179.8	523.9	153.5	65.9	575.3	168.6	506.5	148.4	72.8		
	6938	67	19.4	726.9	213.1	465	136.3	52.8	698.1	204.6	452.8	132.7	59.6	667.4	195.6	439.9	128.9	66.8	637.7	186.9	427.6	125.3	73.4			
	0.02	72	22.2	785.3	230.2	377.3	110.6	54	754.7	221.2	365.8	107.2	60.6	722.8	211.8	353.8	103.7	67.5	691.6	202.7	342.2	100.3	73.5			
	23000	62	16.7	718.2	210.5	704.2	206.4	52.6	682.6	200.1	682.6	200.1	59.3	646.2	189.4	646.2	189.4	66.5	612	179.4	612	179.4	73.2			
	10855	67	19.4	796.7	233.5	583.2	170.9	54.2	764.3	224	571	167.4	60.7	730.5	214.1	558.3	163.6	67.5	694	203.4	544.5	159.6	73.5			
	0.04	72	22.2	856.9	251.1	452.2	132.5	55.2	821.8	240.9	440.1	129	61.5	785.7	230.3	428	125.5	67.9	750.6	220	416.3	122	73.3			
	26950	62	16.7	730.4	214.1	730.4	214.1																			

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 60 Hz (R-22)

Model PACS	AFR	EWB		Condenser Entering Air Temperature																					
	cfm			95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)			
	l/s	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *				
	(BPF)	*F	*C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW		
61006	1633	62	16.7	64.1	18.8	53.9	15.8	5	61.6	18.1	52.8	15.5	5.7	59	17.3	51.6	15.1	6.4	56.2	16.5	50.4	14.8	7.1		
	771	67	19.4	69.1	20.3	45.1	13.2	5.1	66.7	19.5	44	12.9	5.8	64.1	18.8	43	12.6	6.5	61.5	18	42	12.3	7.2		
	0.11	72	22.2	74.8	21.9	36.2	10.6	5.2	72.1	21.1	35.2	10.3	5.9	69.3	20.3	34.2	10	6.6	66.5	19.5	33.2	9.7	7.3		
	2000	62	16.7	66.6	19.5	59.9	17.6	5	63.8	18.7	58.7	17.2	5.7	60.5	17.7	57.3	16.8	6.5	57.4	16.8	56	16.4	7.1		
	944	67	19.4	72.1	21.1	49.6	14.5	5.2	69.5	20.4	48.6	14.2	5.9	66.8	19.6	47.5	13.9	6.6	64.1	18.8	46.5	13.6	7.2		
	0.12	72	22.2	77.9	22.8	39.1	11.5	5.3	75	22	38.1	11.2	6	72	21.1	37.1	10.9	6.7	68.9	20.2	36	10.6	7.3		
	2567	62	16.7	68.3	20	68.1	20	5.1	65.1	19.1	65.1	19.1	5.8	62	18.2	62	18.2	6.5	59.1	17.3	59.1	17.3	7.2		
	1211	67	19.4	75.3	22.1	56	16.4	5.2	72.5	21.3	55	16.1	5.9	69.6	20.4	53.9	15.8	6.6	66.6	19.5	52.8	15.5	7.3		
	0.14	72	22.2	81.2	23.8	43.2	12.7	5.4	78	22.9	42.1	12.3	6.1	74.6	21.9	41	12	6.8	71.2	20.9	39.9	11.7	7.4		
	1944	62	16.7	76.5	22.4	64.2	18.8	5.7	73.4	21.5	62.9	18.4	6.5	69.9	20.5	61.3	18	7.2	65.9	19.3	59.6	17.5	8		
61008	917	67	19.4	82.5	24.2	53.7	15.7	5.9	79.4	23.3	52.4	15.4	6.6	75.9	22.3	51.1	15	7.3	72.6	21.3	49.7	14.6	8		
	0.11	72	22.2	89.1	26.1	43.1	12.6	6.1	85.7	25.1	41.9	12.3	6.7	82.2	24.1	40.6	11.9	7.4	78.8	23.1	39.4	11.6	7.9		
	2500	62	16.7	80.2	23.5	73.3	21.5	5.8	76.2	22.3	71.6	21	6.5	71.9	21.1	69.8	20.5	7.3	67.8	19.9	67.8	19.9	8		
	1180	67	19.4	86.9	25.5	60.5	17.7	6	83.5	24.5	59.2	17.4	6.7	79.8	23.4	57.8	17	7.3	76.4	22.4	56.5	16.6	8		
	0.13	72	22.2	93.5	27.4	47.4	13.9	6.2	89.9	26.4	46.2	13.5	6.8	86.2	25.3	44.9	13.2	7.4	82.6	24.2	43.8	12.8	7.9		
	3056	62	16.7	81.6	23.9	81.2	23.8	5.9	77.6	22.7	77.6	22.7	6.6	73.4	21.5	73.4	21.5	7.3	69.4	20.3	69.4	20.3	8		
	1442	67	19.4	89.8	26.3	66.7	19.5	6.1	86.2	25.3	65.4	19.2	6.7	82.5	24.2	64	18.8	7.4	79	23.1	62.7	18.4	7.9		
	0.14	72	22.2	96.3	28.2	51.3	15	6.3	92.6	27.1	50.1	14.7	6.8	88.8	26	48.8	14.3	7.4	85.3	25	47.7	14	7.9		
	1944	62	16.7	88	25.8	71.2	20.9	6.7	84.5	24.8	69.6	20.4	7.6	80.7	23.6	67.8	19.9	8.5	76.9	22.5	66.1	19.4	9.4		
	917	67	19.4	94.8	27.8	60	17.6	6.8	91.3	26.7	58.5	17.1	7.7	87.5	25.6	56.9	16.7	8.6	83.8	24.5	55.4	16.2	9.4		
61009	0.07	72	22.2	102.5	30.1	48.8	14.3	6.9	98.8	29	47.4	13.9	7.8	94.8	27.8	45.9	13.5	8.7	90.9	26.7	44.5	13	9.6		
	2700	62	16.7	94.5	27.7	84.9	24.9	6.8	90	26.4	82.9	24.3	7.6	85	24.9	80.8	23.7	8.5	80.3	23.5	78.8	23.1	9.4		
	1274	67	19.4	102.4	30	70.3	20.6	6.9	98.5	28.9	68.8	20.2	7.8	94.4	27.7	67.2	19.7	8.7	90.3	26.5	65.7	19.3	9.6		
	0.09	72	22.2	110.5	32.4	55.5	16.3	7.1	106.3	31.2	54.1	15.9	7.9	101.9	29.9	52.6	15.4	8.9	97.6	28.6	51.1	15	9.8		
	3056	62	16.7	95.7	28.1	90.5	26.5	6.8	91	26.7	88.5	25.9	7.7	86.2	25.3	86.2	25.3	8.6	81.7	23.9	81.7	23.9	9.4		
	1442	67	19.4	104.9	30.7	74.8	21.9	7	100.9	29.6	73.3	21.5	7.8	96.6	28.3	71.7	21	8.8	92.5	27.1	70.1	20.6	9.6		
	0.1	72	22.2	113	33.1	58.4	17.1	7.1	108.7	31.8	56.9	16.7	8	104.1	30.5	55.3	16.2	9	99.7	29.2	53.9	15.8	9.8		
	2333	62	16.7	0	0	0	0	0	108.7	31.8	86.9	25.5	10.1	104.2	30.5	84.8	24.9	11.3	99.6	29.2	82.7	24.2	12.5		
	1101	67	19.4	121.9	35.7	75.5	22.1	9.1	117	34.3	73.4	21.5	10.3	112.1	32.9	71.3	20.9	11.5	107.6	31.5	69.4	20.3	12.7		
	0.07	72	22.2	130.6	38.3	61.5	18	9.3	126	36.9	59.7	17.5	10.4	121.1	35.5	57.9	17	11.7	116.2	34.1	56	16.4	12.9		
61011	3200	62	16.7	121	35.5	104.7	30.7	9.1	116.3	34.1	102.6	30.1	10.3	111.4	32.6	100.4	29.4	11.5	105.3	30.9	97.8	28.7	12.7		
	1510	67	19.4	130.4	38.2	87	25.5	9.3	125.6	36.8	85.1	24.9	10.4	120.5	35.3	83.1	24.3	11.7	115.5	33.8	81.1	23.8	12.9		
	0.09	72	22.2	140.5	41.2	69.2	20.3	9.4	135.3	39.7	67.4	19.7	10.6	129.8	38	65.5	19.2	12	124.3	36.4	63.6	18.6	13.2		
	3667	62	16.7	124.1	36.4	112.5	33	9.2	119	34.9	110.3	32.3	10.3	112.7	33	107.7	31.6	11.5	106.7	31.3	105.2	30.8	12.7		
	1731	67	19.4	134	39.3	92.9	27.2	9.3	129	37.8	90.9	26.7	10.5	123.7	36.3	89	26.1	11.8	118.4	34.7	87	25.5	13		
	0.1	72	22.2	144.2	42.3	73	21.4	9.5	138.8	40.7	71.1	20.8	10.7	133	39	69.1	20.3	12.1	127.2	37.3	67.2	19.7	13.3		
	3135	62	16.7	134.7	39.5	111.4	32.7	10.5	128.8	37.7	108.7	31.9	11.9	122.6	35.9	105.9	31	13.2	115.5	33.9	102.7	30.1	14.4		
	1480	67	19.4	144.8	42.4	93.4	27.4	10.8	138.9	40.7	90.9	26.6	12.1	132.9	39	88.5	25.9	13.4	127.2	37.3	86.1	25.2	14.6		
	0.07	72	22.2	155.6	45.6	75.1	22	11.1	149.5	43.8	72.8	21.3	12.4	143.4	42	70.6	20.7	13.7	137.6	40.3	68.5	20.1	14.8		
	4500	62	16.7	142.7	41.8	134.8	39.5	10.8	135.2	39.6	131.7	38.6	12	128	37.5	128	37.5	13.3	121.2	35.5	121.2	35.5	14.5		
61014	2124	67	19.4	156	45.7	111.3	32.6	11.1	149.6	43.9	108.9	31.9	12.4	143.3	42	106.5	31.2	13.7	137.2	40.2	104.2	30.6	14.8		
	0.1	72	22.2	166.5	48.8	86.3	25.3	11.4	160	46.9	84.1	24.6	12.7	153.6	45	82	24	14	150.5	44.1	80.9	23.7	14.6		
	4927	62	16.7	143.9	42.2	141.5	41.5	10.8	136.6	40	136.6	40	12.1	129.5	38	129.5	38	13.4	122.8	36	122.8	36	14.5		
	2325	67	19.4	158.3	46.4	116.6	34.2	11.2	151.9	44.5	114.1	33.5	12.4	145.5	42.7	111.7	32.7	13.7	138.5	40.6	109.2	32	14.8		
	0.1	72	22.2	168.6	49.4	89.5	26.2	11.4	162.1	47.5	87.3	25.6	12.7	155.8	45.7	85.2	25	14	152.6	44.7	84.2	24.7	14.6		
	3135	62	16.7	126.5	37.1	105	30.8	9.9	121.6	35.6	102.8	30.1	11.3	116.5	34.1	100.5	29.5	12.8	111.4	32.7	98.3	28.8	14.2		
	1480	67	19.4	136.2	39.9	87.9	25.8	10.1	131.4	38.5	85.9	25.2	11.5	126.4	37	83.9	24.6	13	121.3	35.6	81.9	24	14.4		
	0.11	72	22.2	147.3	43.2	70.8	20.8	10.4	142.1	41.7	68.9	20.2	11.8	136.7	40.1	67	19.6	13.2	131.2	38.5	65.1	19.1	14.5		
	4170	62	16.7	133.4	39.1	121.8	35.7	10.1	127.6	37.4	119.3	35	11.4	121	35.5	116.6	34.2	12.9	114.8	33.7	114	33.4	14.3		
	1968	67	19.4	144.5	42.3	100.5	29.5	10.3	139.2	40.8	98.5	28.9	11.7	133.8	39.2	96.5	28.3	13.2	128.3	37.6	94.4	2			

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 60 Hz (R-22)

Model PACS	AFR	Condenser Entering Air Temperature																					
	cfm	EWB		95°F (35°C)					105°F (40.6°C)					118.4°F (46.1°C)					125°F (51.7°C)				
	Total Capacity			Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *		
	l/s	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW		
	(BPF)	°F	°C																				
62023	4769	62	16.7	0	0	0	0	0	214.9	63	174.2	51.1	21.4	205.7	60.3	169.9	49.8	23.8	196.7	57.7	165.7	48.6	26.1
	2251	67	19.4	240.7	70.5	150.7	44.2	19.4	230.8	67.6	146.4	42.9	21.8	221.6	64.9	142.5	41.8	24.3	212.5	62.3	138.8	40.7	26.5
	0.07	72	22.2	258.6	75.8	122.5	35.9	19.8	248.9	72.9	118.8	34.8	22.3	238.9	70	115	33.7	24.8	234	68.6	113.2	33.2	26
	6600	62	16.7	239.6	70.2	211.3	61.9	19.3	229.8	67.3	207	60.7	21.7	217.8	63.8	201.8	59.2	24.1	206.2	60.4	196.8	57.7	26.3
	3115	67	19.4	258.3	75.7	175.1	51.3	19.8	248.2	72.8	171.1	50.2	22.2	237.9	69.7	167.1	49	24.8	232.9	68.3	165.2	48.4	25.9
	0.09	72	22.2	277.8	81.4	138.5	40.6	20.2	266.9	78.2	134.7	39.5	22.8	255.7	75	130.8	38.3	25.5	250.2	73.3	128.9	37.8	26.6
	7494	62	16.7	244.8	71.8	226.3	66.3	19.5	232.5	68.1	221	64.8	21.8	220.3	64.6	215.9	63.3	24.2	209.1	61.3	209.1	61.3	26.4
	3537	67	19.4	264.6	77.5	186.3	54.6	19.9	254.2	74.5	182.3	53.4	22.4	243.5	71.4	178.3	52.3	25	238.3	69.8	176.3	51.7	26.1
	0.1	72	22.2	284.3	83.3	145.6	42.7	20.3	272.8	80	141.6	41.5	23	261.1	76.5	137.7	40.4	25.7	255.4	74.9	135.8	39.8	26.8
	5104	62	16.7	0	0	0	0	0	238.3	69.8	190.4	55.8	23.8	227	66.5	185.1	54.2	26.6	216	63.3	179.9	52.7	29.1
62028	2409	67	19.4	269.2	78.9	166.3	48.8	21.7	256.9	75.3	160.9	47.2	24.3	244.8	71.7	155.8	45.7	27	234.1	68.6	151.3	44.3	29.4
	0.07	72	22.2	287.8	84.4	135.4	39.7	22.2	276.4	81	130.9	38.4	24.8	264.9	77.6	126.6	37.1	27.4	253.9	74.4	122.5	35.9	29.7
	7300	62	16.7	269.4	79	235.2	68.9	21.7	257.3	75.4	229.9	67.4	24.3	244	71.5	224.1	65.7	27	229.4	67.2	217.9	63.9	29.3
	3445	67	19.4	289.9	85	195	57.2	22.3	277.9	81.4	190.3	55.8	24.9	265.8	77.9	185.6	54.4	27.4	254.4	74.6	181.1	53.1	29.7
	0.1	72	22.2	311.2	91.2	154.4	45.2	22.9	298.9	87.6	150	44	25.4	286.8	84.1	145.8	42.7	27.9	280.8	82.3	143.8	42.1	29.1
	8021	62	16.7	273.9	80.3	247.3	72.5	21.8	261.3	76.6	241.8	70.9	24.4	245.9	72.1	235.3	69	27	231.8	67.9	229.4	67.2	29.3
	3785	67	19.4	295.1	86.5	204	59.8	22.4	282.8	82.9	199.2	58.4	25	270.7	79.3	194.6	57	27.5	264.8	77.6	192.4	56.4	28.7
	0.1	72	22.2	316.4	92.7	160	46.9	23	303.9	89.1	155.7	45.6	25.6	291.5	85.5	151.4	44.4	28.1	285.5	83.7	149.4	43.8	29.2
	6016	62	16.7	276.6	81.1	222.4	65.2	23.3	264.4	77.5	216.6	63.5	26.3	251.5	73.7	210.6	61.7	29.6	238.9	70	204.9	60	32.6
	2839	67	19.4	298	87.3	187.7	55	23.8	285.4	83.6	182.3	53.4	26.8	272.7	79.9	177	51.9	30	260.5	76.4	171.9	50.4	32.9
62030	0.07	72	22.2	321.6	94.3	152.7	44.8	24.4	308.8	90.5	147.9	43.4	27.4	295.6	86.6	142.9	41.9	30.5	282.9	82.9	138.2	40.5	33.1
	8600	62	16.7	298.6	87.5	268.9	78.8	23.8	283.2	83	262.2	76.9	26.8	266.3	78.1	255	74.7	29.9	251	73.6	248.5	72.8	32.8
	4059	67	19.4	323.2	94.7	222.5	65.2	24.4	309.8	90.8	217.3	63.7	27.4	295.9	86.7	212	62.1	30.5	282.7	82.9	207	60.7	33.1
	0.1	72	22.2	348.4	102.1	175.5	51.4	25.2	334.2	97.9	170.5	50	28	319.2	93.6	165.4	48.5	30.9	305.1	89.4	160.5	47.1	33.1
	9453	62	16.7	302.1	88.5	282.5	82.8	23.9	285.6	83.7	275.5	80.8	26.8	269.2	78.9	268.7	78.7	30	254.2	74.5	254.2	74.5	32.8
	4461	67	19.4	329.1	96.5	233.2	68.3	24.6	315.4	92.4	228	66.8	27.6	301.3	88.3	222.7	65.3	30.6	287.8	84.3	217.6	63.8	33.1
	0.1	72	22.2	354.6	103.9	182.3	53.4	25.3	339.6	99.5	177.1	51.9	28.2	324.4	95.1	172	50.4	31	310.1	90.9	167.2	49	33.1
	6563	62	16.7	0	0	0	0	0	0	0	0	0	0	292.2	85.6	238.1	69.8	35.9	277.6	81.4	231.3	67.8	39.3
	3097	67	19.4	348.8	102.2	215	63	29.3	332.2	97.4	207.8	60.9	32.8	315.7	92.5	200.7	58.8	36.5	301.7	88.4	194.8	57.1	39.8
	0.07	72	22.2	373.4	109.5	175.4	51.4	30	358.1	105	169.4	49.7	33.6	342.4	100.4	163.4	47.9	37.2	328	96.1	158	46.3	40.3
62034	9400	62	16.7	349	102.3	303.8	89.1	29.3	332.8	97.6	296.7	87	32.8	315	92.3	288.9	84.7	36.5	295.7	86.7	280.6	82.3	39.7
	4436	67	19.4	376.6	110.4	252.5	74	30.1	360.4	105.6	246	72.1	33.7	343.9	100.8	239.5	70.2	37.2	328.8	96.4	233.7	68.5	40.3
	0.1	72	22.2	406.3	119.1	200.7	58.8	31	389.1	114.1	194.7	57.1	34.5	372	109	188.7	55.3	38	363.8	106.6	185.9	54.5	39.6
	10313	62	16.7	355	104.1	319.2	93.5	29.4	338.6	99.2	312.1	91.5	33	317.5	93.1	303.1	88.8	36.5	298.8	87.6	295.2	86.5	39.7
	4867	67	19.4	383.6	112.4	263.9	77.4	30.3	367.1	107.6	257.5	75.5	33.9	350.3	102.7	251.1	73.6	37.4	342.3	100.3	248.1	72.7	39
	0.1	72	22.2	413.6	121.2	208.1	61	31.2	396.1	116.1	202	59.2	34.8	378.4	110.9	195.9	57.4	38.2	370	108.4	193	56.6	39.7
	7292	62	16.7	0	0	0	0	0	0	0	0	0	0	335.5	98.3	269.7	79	41.1	320.4	93.9	262.6	77	45
62040	3441	67	19.4	397.1	116.4	243.2	71.3	33.6	380.1	111.4	235.6	69.1	37.7	362.4	106.2	228	66.8	41.9	346.9	101.7	221.4	64.9	45.7
	0.07	72	22.2	424.1	124.3	198.5	58.2	34.4	408.3	119.7	192.3	56.4	38.5	392.1	114.9	186	54.5	42.7	376.6	110.4	180.2	52.8	46.4
	10400	62	16.7	396.7	116.3	341	99.9	33.6	380.2	111.4	333.6	97.8	37.7	363	106.4	326	95.6	41.9	344.4	100.9	317.9	93.2	45.6
	4908	67	19.4	427.7	125.4	283.8	83.2	34.5	411.1	120.5	277.2	81.2	38.6	394	115.5	270.4	79.2	42.8	377.8	110.7	264	77.4	46.4
	0.09	72	22.2	462	135.4	226.6	66.4	35.5	444.2	130.2	220.3	64.6	39.6	426.2	124.9	213.9	62.7	43.7	417.5	122.4	210.9	61.8	45.5
	11458	62	16.7	404.1	118.4	358.8	105.2	33.8	387.1	113.4	351.4	103	37.9	368	107.9	343.2	100.6	42	347.5	101.9	334.5	98	45.7
	5408	67	19.4	436.3	127.9	297.2	87.1	34.7	419.2	122.9	290.5	85.1	38.9	401.8	117.8	283.7	83.2	43	393.3	115.3	280.5	82.2	44.9
	0.1	72	22.2	471	138.1	235.2	68.9	35.7	452.7	132.7	228.9	67.1	39.9	434.3	127.3	222.5	65.2	43.9	425.3	124.7	219.4	64.3	45.7
	8203	62	16.7	0	0	0	0	0	0	0	0	0	0	381.7	111.9	305.4	89.5	46.5	366	107.3	298	87.3	50.8
	3871	67	19.4	448.2	131.4	274.2	80.4	38.1	430.6	126.2	266.4	78.1	42.7	412.4	120.9	258.5	75.8	47.4	395.3	115.9	251.1	73.6	51.6
62046	0.07	72	22.2	478.5	140.3	223.9																	

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 60 Hz (R-22)

Model PACS	AFR	EWB		Condenser Entering Air Temperature																							
	cfm			95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)					
	l/s			Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *				
				(BPF)	°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	
62065	11250	62	16.7	614.2	180	473.5	138.8	51.9	586.8	172	459.7	134.7	58.4	557.8	163.5	445.3	130.5	65.4	529.8	155.3	431.7	126.5	71.8				
	5309	67	19.4	661.3	193.8	404.2	118.5	53.1	633.3	185.6	391.5	114.7	59.7	604.8	177.3	378.7	111	66.6	577.7	169.3	366.8	107.5	72.7				
	0.01	72	22.2	714.1	209.3	334.9	98.1	54.5	685.1	200.8	323	94.7	61.1	655.3	192.1	311	91.2	67.8	627.3	183.8	299.9	87.9	73.4				
	18750	62	16.7	671.5	196.8	617.3	180.9	53.3	634.9	186.1	601.3	176.2	59.7	598.7	175.5	585.7	171.7	66.4	565.9	165.9	565.9	165.9	72.5				
	8849	67	19.4	735.3	215.5	513.3	150.4	55.1	704.1	206.4	500.9	146.8	61.6	672	197	488.4	143.2	68.2	642.1	188.2	477	139.8	73.6				
	0.02	72	22.2	791.3	231.9	403.5	118.3	56.8	757.3	222	391.6	114.8	63.1	723	211.9	379.7	111.3	69.3	706.7	207.1	374.1	109.6	71.9				
	20625	62	16.7	676.8	198.4	650.7	190.7	53.5	641	187.9	635.4	186.2	59.9	605.5	177.5	605.5	177.5	66.6	573.1	168	573.1	168	72.6				
	9734	67	19.4	747.2	219	539.4	158.1	55.5	715.2	209.6	527	154.5	61.9	682.6	200.1	514.7	150.9	68.4	651	190.8	502.8	147.4	73.7				
	0.02	72	22.2	802.7	235.3	419.6	123	57.1	768.1	225.1	407.7	119.5	63.4	733.2	214.9	395.7	116	69.5	716.7	210.1	390.2	114.4	72				
62070	12900	62	16.7	679.8	199.2	530.5	155.5	58.4	648.4	190.1	514.9	150.9	65.5	615.8	180.5	499	146.3	72.9	582.9	170.8	483.2	141.6	79.4				
	6088	67	19.4	731.9	214.5	451.5	132.3	59.9	700.7	205.4	437.4	128.2	67.1	668.6	196	423.3	124.1	74.3	639.2	187.4	410.6	120.3	80.6				
	0.01	72	22.2	790.3	231.6	372.3	109.1	61.7	757.2	221.9	358.9	105.2	68.8	723.8	212.2	345.7	101.3	75.8	708.1	207.6	339.6	99.5	79				
	21000	62	16.7	733.8	215.1	683.7	200.4	59.9	693.7	203.3	666.3	195.3	66.9	654.8	191.9	649.6	190.4	74	620.2	181.8	620.2	181.8	80.2				
	9911	67	19.4	808.6	237	569.2	166.8	62.2	773.1	226.6	555.2	162.7	69.3	737.7	216.2	541.4	158.7	76.2	721	211.3	535.1	156.9	79.3				
	0.02	72	22.2	868.6	254.6	445.9	130.7	64.1	830.3	243.4	432.5	126.8	71.1	792.7	232.3	419.5	123	77.7	775.2	227.2	413.5	121.2	80.5				
	23650	62	16.7	742	217.5	731.6	214.4	60.2	702.9	206	702.9	206	67.2	664.6	194.8	664.6	194.8	74.2	630.4	184.8	630.4	184.8	80.4				
	11162	67	19.4	824.4	241.6	605.9	177.6	62.7	788	231	592.2	173.6	69.8	751.4	220.2	578.4	169.5	76.6	730.4	214.1	570.5	167.2	79.5				
	0.02	72	22.2	883.8	259	468.5	137.3	64.6	844.6	247.6	455.1	133.4	71.6	806.4	236.3	442.2	129.6	78.1	788.6	231.1	436.3	127.9	80.8				
62080	14700	62	16.7	791.3	231.9	613	179.7	64.4	759.8	222.7	597.2	175	72.3	726.2	212.8	580.5	170.2	80.7	693	203.1	564.4	165.4	88.7				
	6938	67	19.4	851.8	249.7	522.6	153.2	65.9	820.2	240.4	508.2	149	73.8	786.8	230.6	493.3	144.6	82.3	754	221	478.9	140.4	90.1				
	0.01	72	22.2	921.4	270.1	432.7	126.8	67.6	887.4	260.1	418.9	122.8	75.6	851.9	249.7	404.7	118.6	84	817.4	239.6	391.1	114.6	91.6				
	23000	62	16.7	857.5	251.3	773.1	226.6	66	815	238.9	754.3	221.1	73.7	772.3	226.4	735.7	215.6	81.9	732.6	214.7	718.7	210.6	89.6				
	10855	67	19.4	937.8	274.9	644.6	188.9	68	901.5	264.2	630.1	184.7	76	863.8	253.2	615.2	180.3	84.3	827.2	242.5	600.9	176.1	91.8				
	0.02	72	22.2	1011.1	296.4	509.7	149.4	69.8	971.2	284.7	495.6	145.3	77.9	930.4	272.7	481.3	141.1	86	891	261.2	467.6	137	93.2				
	26950	62	16.7	869.2	254.8	843.8	247.3	66.3	828.2	242.7	826.3	242.2	74.1	786.9	230.6	786.9	230.6	82.3	748	219.2	748	219.2	90				
	12719	67	19.4	963.9	282.5	699.9	205.2	68.6	926.1	271.4	685.5	200.9	76.7	887.1	260	670.7	196.6	84.9	847	248.3	655.6	192.2	92.2				
	0.02	72	22.2	1036.6	303.8	544	159.5	70.5	995.3	291.7	529.8	155.3	78.5	953.1	279.4	515.4	151.1	86.5	912.5	267.5	501.8	147.1	93.7				
62085	14700	62	16.7	0	0	0	0	0	817.6	239.6	626.5	183.6	83.1	784.8	230	609.7	178.7	92.7	752.3	220.5	593.5	173.9	101.4				
	6938	67	19.4	918.5	269.2	553.7	162.3	75.9	882.3	258.6	536.7	157.3	85	846.4	248.1	520.1	152.4	94.4	814.1	238.6	505.5	148.2	103.1				
	0.01	72	22.2	985.7	288.9	459.5	134.7	77.7	951.8	279	445.3	130.5	87	916.8	268.7	430.9	126.3	96.4	882.3	258.6	416.8	122.2	104.9				
	23000	62	16.7	931	272.9	806.2	236.3	76.3	895.1	262.4	790	231.5	85.4	850.1	249.2	769.9	225.6	94.6	806.8	236.5	750.8	220.1	102.9				
	10855	67	19.4	1007.2	295.2	672.9	197.2	78.3	970.6	284.5	657.9	192.8	87.6	933.2	273.5	642.8	188.4	96.9	896.4	262.7	628.1	184.1	105.2				
	0.02	72	22.2	1087.7	318.8	537.4	157.5	80.5	1048.3	307.3	523	153.3	89.8	1008	295.4	508.6	149.1	99	987.6	289.5	501.4	147	103.2				
	26950	62	16.7	952.2	279.1	879.8	257.9	76.8	906.9	265.8	860	252.1	85.7	862.4	252.8	840.9	246.5	94.9	820.7	240.5	820.7	240.5	103.2				
	12719	67	19.4	1036.7	303.9	728.4	213.5	79.1	998.7	292.7	713.5	209.1	88.4	959.7	281.3	698.3	204.7	97.6	940.4	275.6	690.8	202.5	102				
	0.02	72	22.2	1118.6	327.9	572.6	167.8	81.3	1076.8	315.6	558	163.5	90.6	1034.2	303.1	543.2	159.2	99.7	1013	296.9	535.9	157.1	103.9				
62090	16538	62	16.7	498.3	146	385	112.9	40.5	479.4	140.5	375.5	110.1	45.5	456.3	251	672.7	197.2	95.9	819.9	240.3	654.6	191.9	105.5				
	7805	67	19.4	1000.9	293.4	607.8	178.1	78.2	963.9	282.5	590.6	173.1	87.6	925.4	271.2	573.1	167.9	97.7	889	260.5	556.8	163.2	107.3				
	0.02	72	22.2	1078.6	316.1	504.4	147.9	79.9	1041.5	305.2	488.9	143.3	89.5	1002.7	293.9	473.1	138.7	99.7	963.7	282.5	457.5	134.1	109.1				
	25600	62	16.7	1010.9	296.3	886.1	259.7	78.4	967.1	283.5	866.5	254	87.7	920.5	268.8	845.9	247.9	97.6	873.5	256	825.2	241.8	106.9				
	12082	67	19.4	1098.3	321.9	738.8	216.9	80.3	1058.4	310.2	723.6	212.1	89.9	1017.2	298.2	707.1	207.3	100	975.8	286	690.6	204.4	109.4				
	0.04	72	22.2	1186.4	347.7	589.5	172.8	82.2	1142.9	335	573.8	168.2	92	1098.1	321.9	557.8	163.5	102.1	1052.6	308.5	541.8	158.8	111.1				
	30319	62	16.7	1031.7	302.4	972.6	285.1	78.8	983.9	288.3	951.9	279	88.1	936.4	274.4	922.1	270.2	98	890.9	261.1	888.8	260.6	107.3				
	14309	67	19.4	1132.5	331.9	806.3	236.3	81.1	1090.8	319.7	790	231.6	90.7	1047.8	307.1	773.6	226.7	100.8	1004.4	294.4	757	221.8	110.1				
	0.04	72	22.2	1221.4	358	631.3	185	82.9	1175.6	344.6	615																

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 50 Hz (R-407C)

Model PACS	AFR	EWB		Condenser Entering Air Temperature																							
	cfm			95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)					
	l/s			Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *				
	(BPF)			°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW		
51005-C	1633	62	16.7	50.9	14.9	45.7	13.4	4	48.2	14.1	44.5	13.1	4.6	44.9	13.2	43.2	12.7	5.4	41.9	12.3	41.9	12.3	6.1				
	771	67	19.4	56.1	16.4	38.1	11.2	4.1	53.7	15.7	37.2	10.9	4.8	51.1	15	36.3	10.6	5.5	48.6	14.2	35.3	10.3	6.2				
	0.2	72	22.2	61.6	18	30.4	8.9	4.2	59	17.3	29.5	8.7	4.9	56.2	16.5	28.6	8.4	5.6	53.4	15.7	27.7	8.1	6.3				
	2000	62	16.7	52.4	15.3	50.7	14.8	4	49.2	14.4	49.2	14.4	4.7	46.1	13.5	46.1	13.5	5.4	43.1	12.6	43.1	12.6	6.1				
	944	67	19.4	58.4	17.1	42	12.3	4.1	55.8	16.4	41.1	12	4.8	53.2	15.6	40.1	11.8	5.6	50.5	14.8	39.2	11.5	6.3				
	0.22	72	22.2	64	18.8	32.9	9.7	4.2	61.2	17.9	32	9.4	4.9	58.3	17.1	31.1	9.1	5.7	55.3	16.2	30.1	8.8	6.4				
	2567	62	16.7	53.5	15.7	53.5	15.7	4	50.5	14.8	50.5	14.8	4.7	47.5	13.9	47.5	13.9	5.4	44.7	13.1	44.7	13.1	6.1				
	1211	67	19.4	60.8	17.8	47.5	13.9	4.2	58.2	17	46.5	13.6	4.9	55.3	16.2	45.5	13.3	5.6	52.4	15.3	44.5	13	6.3				
	0.26	72	22.2	66.5	19.5	36.4	10.7	4.3	63.6	18.6	35.5	10.4	5	60.4	17.7	34.5	10.1	5.7	57.3	16.8	33.5	9.8	6.4				
	51007-C	1944	62	16.7	62.1	18.2	55	16.1	4.5	59.3	17.4	53.8	15.8	5.2	55.5	16.3	52.2	15.3	6	51.7	15.1	50.6	14.8	6.7			
917		67	19.4	67.6	19.8	45.7	13.4	4.6	64.7	19	44.6	13.1	5.3	61.5	18	43.4	12.7	6.1	58.2	17.1	42.2	12.4	6.9				
0.2		72	22.2	73.5	21.5	36.3	10.6	4.7	70.3	20.6	35.2	10.3	5.4	66.9	19.6	34.1	10	6.2	63.3	18.5	32.9	9.6	6.9				
2500		62	16.7	64.3	18.9	62.5	18.3	4.5	60.6	17.8	60.6	17.8	5.2	56.8	16.7	56.8	16.7	6	53.1	15.6	53.1	15.6	6.8				
1180		67	19.4	70.6	20.7	51.4	15.1	4.7	67.5	19.8	50.3	14.7	5.4	64.1	18.8	49	14.4	6.1	60.6	17.8	47.8	14	6.9				
0.23		72	22.2	76.7	22.5	39.9	11.7	4.8	73.2	21.5	38.8	11.4	5.5	69.5	20.4	37.6	11	6.3	65.7	19.3	36.4	10.7	7				
3056		62	16.7	65.2	19.1	65.2	19.1	4.6	61.7	18.1	61.7	18.1	5.2	57.9	17	57.9	17	6	54.3	15.9	54.3	15.9	6.8				
1442		67	19.4	72.7	21.3	56.6	16.6	4.7	69.5	20.4	55.5	16.3	5.4	65.9	19.3	54.2	15.9	6.2	62.1	18.2	52.9	15.5	6.9				
0.26		72	22.2	78.8	23.1	43.2	12.7	4.8	75.2	22	42.1	12.3	5.5	71.3	20.9	40.8	12	6.3	67.4	19.7	39.6	11.6	7				
51008-C		1944	62	16.7	75.1	22	63.6	18.7	5.4	71.7	21	62.1	18.2	6.2	67.4	19.7	60.2	17.6	7.2	62.3	18.3	58	17	8.1			
	917	67	19.4	81.4	23.9	53.3	15.6	5.5	77.9	22.8	51.9	15.2	6.3	74	21.7	50.3	14.7	7.2	70	20.5	48.8	14.3	8.2				
	0.11	72	22.2	88.3	25.9	42.8	12.5	5.6	84.5	24.8	41.5	12.2	6.4	80.3	23.5	40	11.7	7.3	76	22.3	38.5	11.3	8.2				
	2700	62	16.7	79.2	23.2	75.6	22.1	5.5	74.7	21.9	73.7	21.6	6.3	69.9	20.5	69.9	20.5	7.2	65.3	19.1	65.3	19.1	8.1				
	1274	67	19.4	87.1	25.5	62.5	18.3	5.5	83.3	24.4	61	17.9	6.4	79	23.1	59.4	17.4	7.3	74.7	21.9	57.8	16.9	8.2				
	0.13	72	22.2	94.2	27.6	48.7	14.3	5.6	89.9	26.4	47.3	13.9	6.5	85.2	25	45.7	13.4	7.4	80.3	23.6	44.1	12.9	8.2				
	3056	62	16.7	80	23.5	80	23.5	5.5	75.7	22.2	75.7	22.2	6.3	70.9	20.8	70.9	20.8	7.2	66.4	19.5	66.4	19.5	8.1				
	1442	67	19.4	88.9	26.1	66.4	19.5	5.6	85	24.9	64.9	19	6.4	80.5	23.6	63.3	18.6	7.3	75.7	22.2	61.6	18	8.2				
	0.14	72	22.2	96	28.1	51.2	15	5.6	91.6	26.8	49.7	14.6	6.5	86.6	25.4	48.1	14.1	7.4	81.6	23.9	46.5	13.6	8.2				
	2333	62	16.7	94.9	27.8	78.5	23	7	90.6	26.6	76.6	22.4	8	85.9	25.2	74.5	21.8	9.2	80.7	23.7	72.2	21.2	10.4				
51009-C	1101	67	19.4	102.6	30.1	65.9	19.3	7.1	98.3	28.8	64.2	18.8	8.2	93.5	27.4	62.2	18.2	9.4	88.6	26	60.3	17.7	10.5				
	0.11	72	22.2	111.4	32.7	53.4	15.6	7.3	106.7	31.3	51.7	15.1	8.3	101.6	29.8	49.8	14.6	9.5	96.6	28.3	48	14.1	10.7				
	3200	62	16.7	101	29.6	92.7	27.2	7.1	95.7	28.1	90.4	26.5	8.1	89.5	26.2	87.8	25.7	9.3	83.6	24.5	83.6	24.5	10.4				
	1510	67	19.4	109.9	32.2	76.6	22.4	7.2	105.1	30.8	74.8	21.9	8.3	99.8	29.3	72.8	21.3	9.5	94.7	27.7	70.9	20.8	10.6				
	0.13	72	22.2	119.1	34.9	60.3	17.7	7.4	113.9	33.4	58.5	17.2	8.5	108.3	31.7	56.6	16.6	9.7	102.9	30.1	54.8	16.1	10.8				
	3667	62	16.7	102.6	30.1	99.4	29.1	7.1	96.8	28.4	96.8	28.4	8.1	90.7	26.6	90.7	26.6	9.3	84.9	24.9	84.9	24.9	10.4				
	1731	67	19.4	112.5	33	81.8	24	7.3	107.6	31.5	80	23.4	8.3	102.2	30	78	22.9	9.5	96.9	28.4	76.1	22.3	10.7				
	0.14	72	22.2	121.9	35.7	63.6	18.6	7.4	116.4	34.1	61.8	18.1	8.5	110.7	32.4	59.9	17.6	9.7	105.2	30.8	58.1	17	10.9				
	3135	62	16.7	113.8	33.4	99.4	29.1	8.3	107.5	31.5	96.6	28.3	9.5	100	29.3	93.3	27.4	10.8	93.2	27.3	90.5	26.5	12.1				
	1480	67	19.4	123.6	36.2	82.8	24.3	8.5	117.9	34.5	80.5	23.6	9.7	111.8	32.8	78.2	22.9	11.1	105.8	31	75.9	22.2	12.3				
51012-C	0.11	72	22.2	133.8	39.2	66	19.3	8.7	127.5	37.4	63.8	18.7	10	120.8	35.4	61.4	18	11.3	114.1	33.4	59.1	17.3	12.5				
	4500	62	16.7	118.6	34.8	118.6	34.8	8.4	111.8	32.8	111.8	32.8	9.6	105	30.8	105	30.8	10.9	98.6	28.9	98.6	28.9	12.2				
	2124	67	19.4	132.5	38.8	99.1	29	8.6	126.1	37	96.7	28.3	9.9	119.1	34.9	94.2	27.6	11.3	111	32.5	91.3	26.8	12.4				
	0.14	72	22.2	142.7	41.8	76.3	22.4	8.9	135.5	39.7	73.9	21.7	10.1	127.8	37.5	71.4	20.9	11.4	0	0	0	0	0				
	4927	62	16.7	119.7	35.1	119.7	35.1	8.4	113	33.1	113	33.1	9.6	106.2	31.1	106.2	31.1	11	99.8	29.2	99.8	29.2	12.2				
	2325	67	19.4	134.4	39.4	103.7	30.4	8.7	127.8	37.5	101.3	29.7	10	119.8	35.1	98.5	28.9	11.3	111.8	32.8	95.7	28	12.4				
	0.14	72	22.2	144.5	42.4	79.2	23.2	8.9	137.1	40.2	76.8	22.5	10.2	0	0	0	0	0	0	0	0	0	0				
	3135	62	16.7	100.1	29.3	88.7	26	7.9	95.4	28	86.7	25.4	9.2	89	26.1	84	24.6	10.7	82.8	24.3	81.4	23.9	12.1				
	1480	67	19.4	110.2	32.3	74.1	21.7	8.1	105.5	30.9	72.4	21.2	9.5	100.5	29.5	70.5	20.7	11	95.6	28	68.6	20.1	12.4				
	0.2	72	22.2	121.1	35.5	59.4	17.4	8.3	116	34	57.7	16.9	9.7	110.6	32.4	55.9	16.4	11.2	105.3	30.9	54.1	15.8	12.6				
52010-C	4170	62	16.7	104.6	30.7	102.8	30.1	8	98.3	28.8	98.3	28.8	9.3	92	27	92	27	10.8	86.2	25.3	86.2	25.3	12.2				
	1968	67	19.4	116.5	34.1	85	24.9	8.2	111.5	32.7	83.1	24.4	9.6	106.1	31.1	81.2	23.8	11.1	100.9	29.6	79.3	23.3	12.5				
	0.23	72	22.2	127.7	37.4	66.4	19.5	8.5	122.3	3																	

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 50 Hz (R-407C)

Model PACS	AFR	EWB		Condenser Entering Air Temperature																				
	95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)					
	cfm	Total Capacity			Sensible Capacity			PI *	Total Capacity			Sensible Capacity			PI *	Total Capacity			Sensible Capacity			PI *		
	l/s (BPF)	°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	
52019-C	4769	62	16.7	188.1	55.1	157.9	46.3	14.7	179.1	52.5	153.8	45.1	16.9	169.4	49.6	149.5	43.8	19.3	157.7	46.2	144.4	42.3	21.5	
	2251	67	19.4	203.5	59.7	132.2	38.8	15.1	194.4	57	128.5	37.7	17.3	184.5	54.1	124.6	36.5	19.7	175.1	51.3	120.9	35.4	21.8	
	0.11	72	22.2	220.7	64.7	106.5	31.2	15.4	210.8	61.8	102.9	30.2	17.7	200.4	58.7	99.3	29.1	20.1	190.7	55.9	95.9	28.1	22.2	
	6600	62	16.7	199.5	58.5	187.2	54.9	15	187.4	54.9	182.2	53.4	17.1	175.2	51.4	175.2	51.4	19.5	164.1	48.1	164.1	48.1	21.6	
	3115	67	19.4	217.8	63.8	154.5	45.3	15.4	207.6	60.9	150.7	44.2	17.6	197	57.7	146.7	43	20	187	54.8	143	41.9	22.1	
	0.13	72	22.2	235.7	69.1	120.9	35.4	15.8	224.7	65.8	117.2	34.3	18.1	213.4	62.5	113.4	33.2	20.5	203	59.5	110.1	32.3	22.5	
	7494	62	16.7	201.4	59	199.8	58.5	15	189.6	55.6	189.6	55.6	17.2	177.7	52.1	177.7	52.1	19.5	166.8	48.9	166.8	48.9	21.7	
	3537	67	19.4	222.5	65.2	164.4	48.2	15.5	212	62.2	160.6	47.1	17.8	201.2	59	156.6	45.9	20.1	190.9	56	152.9	44.8	22.2	
	0.14	72	22.2	240.4	70.5	127.1	37.3	15.9	229.1	67.1	123.4	36.2	18.2	217.6	63.8	119.7	35.1	20.6	207.2	60.7	116.4	34.1	22.6	
	5104	62	16.7	210.6	61.7	173.1	50.7	16.7	199.8	58.5	168.2	49.3	19.2	188.2	55.2	163	47.8	21.9	176.5	51.7	157.9	46.3	24.4	
52024-C	2409	67	19.4	227.2	66.6	145.4	42.6	17	216.6	63.5	141	41.3	19.6	205.5	60.2	136.5	40	22.3	194.8	57.1	132.3	38.8	24.8	
	0.11	72	22.2	246.3	72.2	117.7	34.5	17.4	235.1	68.9	113.6	33.3	20	223.2	65.4	109.3	32	22.7	211.8	62.1	105.3	30.9	25.1	
	7300	62	16.7	225.6	66.1	208.6	61.1	17	212.2	62.2	203	59.5	19.5	197.4	57.9	196.8	57.7	22.1	184.3	54	184.3	54	24.6	
	3445	67	19.4	244.9	71.8	172	50.4	17.4	233.3	68.4	167.6	49.1	20	221.1	64.8	163	47.8	22.7	209.4	61.4	158.7	46.5	25	
	0.14	72	22.2	264.9	77.6	134.9	39.5	17.8	252.2	73.9	130.6	38.3	20.5	238.6	69.9	126.1	36.9	23.1	225.6	66.1	121.8	35.7	25.3	
	8021	62	16.7	228.4	66.9	219.1	64.2	17	213.8	62.7	213.1	62.5	19.5	199.4	58.4	199.4	58.4	22.2	186.6	54.7	186.6	54.7	24.6	
	3785	67	19.4	248.8	72.9	180	52.8	17.5	236.9	69.4	175.5	51.4	20.1	224.5	65.8	170.9	50.1	22.8	212.5	62.3	166.6	48.8	25.1	
	0.14	72	22.2	269	78.8	139.9	41	17.9	255.8	75	135.6	39.7	20.6	241.8	70.9	131	38.4	23.2	228.5	67	126.7	37.1	25.4	
	6016	62	16.7	236.9	69.4	198.9	58.3	18.3	224.9	65.9	193.6	56.7	21	212.3	62.2	188	55.1	24.1	195.9	57.4	180.9	53	26.9	
	2839	67	19.4	257.5	75.5	167.1	49	18.7	245.5	71.9	162.2	47.5	21.5	232.7	68.2	157.1	46.1	24.5	219.8	64.4	152	44.6	27.2	
52025-C	0.11	72	22.2	280.6	82.2	135.2	39.6	19.2	267.6	78.4	130.5	38.2	21.9	254	74.4	125.6	36.8	24.9	240.4	70.5	120.9	35.4	27.5	
	8600	62	16.7	252.9	74.1	240.3	70.4	18.6	236.7	69.4	233.6	68.5	21.3	220.9	64.7	220.9	64.7	24.2	205.8	60.3	205.8	60.3	27	
	4059	67	19.4	278.4	81.6	198.9	58.3	19.1	265	77.7	193.8	56.8	21.9	251	73.6	188.5	55.3	24.8	236.9	69.4	183.4	53.8	27.5	
	0.14	72	22.2	302.8	88.7	155.8	45.7	19.6	288.2	84.5	150.9	44.2	22.4	273	80	145.9	42.7	25.2	258.1	75.6	141	41.3	27.7	
	9453	62	16.7	254.8	74.7	252.3	73.9	18.7	239	70	239	70	21.3	223.4	65.5	223.4	65.5	24.3	208.5	61.1	208.5	61.1	27.1	
	4461	67	19.4	283.1	83	208.3	61.1	19.2	269.4	79	203.2	59.6	22	255.1	74.8	198	58	24.9	240.7	70.5	192.8	56.5	27.5	
	0.14	72	22.2	307.6	90.2	161.8	47.4	19.7	292.6	85.8	156.9	46	22.5	277.2	81.2	151.8	44.5	25.3	262.1	76.8	147	43.1	27.8	
	6563	62	16.7	269.4	79	222	65.1	22.3	256.2	75.1	216	63.3	25.5	241.9	70.9	209.6	61.4	29	226.6	66.4	202.9	59.5	32.3	
	3097	67	19.4	291.1	85.3	186.5	54.7	22.7	277.8	81.4	181	53.1	26	263.4	77.2	175.2	51.4	29.6	249.3	73.1	169.6	49.7	32.8	
	0.11	72	22.2	316.1	92.6	151.1	44.3	23.3	301.6	88.4	145.8	42.7	26.6	286.4	83.9	140.3	41.1	30.1	271.7	79.6	135.2	39.6	33.1	
52028-C	9400	62	16.7	289	84.7	267.9	78.5	22.7	271.9	79.7	260.8	76.4	25.9	253.2	74.2	253	74.2	29.3	236.1	69.2	236.1	69.2	32.5	
	4436	67	19.4	314.3	92.1	221.1	64.8	23.2	299.3	87.7	215.5	63.1	26.5	283.6	83.1	209.5	61.4	30	268.4	78.7	203.9	59.8	33.1	
	0.14	72	22.2	340.5	99.8	173.5	50.8	23.9	324.4	95.1	168.1	49.3	27.2	307.5	90.1	162.4	47.6	30.5	291.6	85.5	157.2	46.1	33.4	
	10313	62	16.7	292.2	85.7	281.1	82.4	22.7	273.9	80.3	273.6	80.2	25.9	255.6	74.9	255.6	74.9	29.4	238.7	70	238.7	70	32.6	
	4867	67	19.4	319.3	93.6	231.2	67.8	23.3	304	89.1	225.5	66.1	26.7	288	84.4	219.6	64.4	30.1	272.6	79.9	213.9	62.7	33.1	
	0.14	72	22.2	345.8	101.4	179.9	52.7	24	329.2	96.5	174.4	51.1	27.3	311.9	91.4	168.8	49.5	30.6	296	86.7	163.6	48	33.4	
	7292	62	16.7	307.2	90.1	250.3	73.4	25.9	292.7	85.8	243.6	71.4	29.7	277.1	81.2	236.6	69.4	33.9	261.4	76.6	229.6	67.3	37.8	
	3441	67	19.4	332.4	97.4	210.9	61.8	26.5	316.7	92.8	204.4	59.9	30.4	301	88.2	198	58	34.5	285.4	83.6	191.8	56.2	38.3	
	0.11	72	22.2	359.8	105.5	171.1	50.2	27.1	343.8	100.8	165.2	48.4	31.1	327.1	95.9	159.1	46.6	35.2	310.8	91.1	153.3	44.9	38.9	
	10400	62	16.7	329.6	96.6	300.7	88.1	26.4	313.1	91.8	293.8	86.1	30.3	291.9	85.6	284.9	83.5	34.3	272.2	79.8	272.2	79.8	38	
52034-C	4908	67	19.4	357.9	104.9	248.5	72.8	27.1	341.3	100	242.3	71	31	324	95	235.7	69.1	35.1	307.2	90	229.4	67.2	38.8	
	0.13	72	22.2	387.7	113.6	195.7	57.4	27.9	370	108.4	189.7	55.6	31.9	351.6	103.1	183.5	53.8	35.9	333.9	97.9	177.6	52.1	39.4	
	11458	62	16.7	334.8	98.1	316.5	92.8	26.5	315.3	92.4	308.5	90.4	30.3	294.4	86.3	294.4	86.3	34.4	275.2	80.7	275.2	80.7	38.1	
	5408	67	19.4	364	106.7	260.3	76.3	27.2	347	101.7	254	74.4	31.2	329.4	96.5									

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 50 Hz (R-407C)

Model PACS	AFR	Condenser Entering Air Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	cfm	EWB		95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 60 Hz (R-407C)

Model PACS	AFR	Condenser Entering Air Temperature																									
	cfm	EWB		95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)					
				Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *				
				MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW				
(BPF)	°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW					
61006-C	1633	62	16.7	60.1	17.6	52.1	15.3	4.8	57.1	16.7	50.8	14.9	5.7	53	15.5	49	14.4	6.6	49.4	14.5	47.5	13.9	7.4				
	771	67	19.4	66.2	19.4	43.8	12.9	5	63.3	18.5	42.7	12.5	5.8	60.3	17.7	41.5	12.2	6.7	57.3	16.8	40.4	11.8	7.6				
	0.11	72	22.2	72.6	21.3	35.4	10.4	5.1	69.5	20.4	34.3	10.1	6	66.3	19.4	33.2	9.7	6.9	63	18.5	32	9.4	7.7				
	2000	62	16.7	62.3	18.3	58.1	17	4.9	58.5	17.1	56.5	16.6	5.7	54.7	16	54.7	16	6.6	51.3	15	51.3	15	7.4				
	944	67	19.4	69.5	20.4	48.6	14.2	5.1	66.5	19.5	47.4	13.9	5.9	63.3	18.5	46.2	13.5	6.8	60.1	17.6	45	13.2	7.6				
	0.12	72	22.2	76.2	22.3	38.5	11.3	5.2	72.8	21.4	37.4	11	6.1	69.3	20.3	36.2	10.6	7	65.8	19.3	35	10.3	7.8				
	2567	62	16.7	64.1	18.8	64.1	18.8	4.9	60.5	17.7	60.5	17.7	5.8	56.9	16.7	56.9	16.7	6.7	53.6	15.7	53.6	15.7	7.5				
	1211	67	19.4	73.2	21.4	55.2	16.2	5.1	69.9	20.5	54	15.8	6	66.4	19.5	52.7	15.5	6.9	62.4	18.3	51.3	15	7.7				
	0.14	72	22.2	79.9	23.4	42.7	12.5	5.3	76.2	22.3	41.5	12.2	6.2	72.4	21.2	40.3	11.8	7.1	68.7	20.1	39.1	11.5	7.8				
	1944	62	16.7	73.4	21.5	62.9	18.4	5.5	70	20.5	61.3	18	6.4	65.6	19.2	59.4	17.4	7.3	61	17.9	57.4	16.8	8.2				
61008-C	917	67	19.4	79.8	23.4	52.6	15.4	5.6	76.3	22.4	51.2	15	6.5	72.4	21.2	49.7	14.6	7.5	68.6	20.1	48.2	14.1	8.4				
	0.11	72	22.2	86.7	25.4	42.2	12.4	5.8	82.9	24.3	40.9	12	6.7	78.7	23.1	39.4	11.6	7.6	74.5	21.8	38	11.1	8.5				
	2500	62	16.7	76.5	22.4	71.7	21	5.6	72.1	21.1	69.9	20.5	6.4	67.5	19.8	67.5	19.8	7.3	63.2	18.5	63.2	18.5	8.3				
	1180	67	19.4	84.2	24.7	59.5	17.4	5.7	80.4	23.6	58.1	17	6.6	76.3	22.4	56.5	16.6	7.5	72.2	21.2	55	16.1	8.4				
	0.13	72	22.2	91.4	26.8	46.7	13.7	5.9	87.1	25.5	45.3	13.3	6.8	82.6	24.2	43.7	12.8	7.7	78.1	22.9	42.3	12.4	8.5				
	3056	62	16.7	77.9	22.8	77.9	22.8	5.6	73.6	21.6	73.6	21.6	6.4	69.2	20.3	69.2	20.3	7.4	64.9	19	64.9	19	8.3				
	1442	67	19.4	87.3	25.6	65.8	19.3	5.8	83.2	24.4	64.3	18.8	6.7	78.9	23.1	62.7	18.4	7.6	73.7	21.6	60.9	17.8	8.5				
	0.14	72	22.2	94.4	27.7	50.7	14.8	6	89.9	26.4	49.2	14.4	6.8	85.2	25	47.7	14	7.8	82.8	24.3	46.9	13.7	8.2				
	1944	62	16.7	86.8	25.4	70.6	20.7	6.6	82.7	24.2	68.7	20.1	7.6	77.9	22.8	66.5	19.5	8.7	72.7	21.3	64.2	18.8	9.8				
	917	67	19.4	93.8	27.5	59.5	17.5	6.7	89.6	26.3	57.8	16.9	7.7	85	24.9	55.9	16.4	8.8	80.5	23.6	54.1	15.9	9.9				
61009-C	0.07	72	22.2	101.7	29.8	48.5	14.2	6.8	97.3	28.5	46.9	13.7	7.8	92.4	27.1	45	13.2	8.9	87.7	25.7	43.3	12.7	10				
	2700	62	16.7	93.4	27.4	84.4	24.7	6.7	87.7	25.7	82	24	7.7	81.7	24	79.4	23.3	8.8	76.3	22.4	76.3	22.4	9.9				
	1274	67	19.4	101.5	29.7	70	20.5	6.8	96.9	28.4	68.2	20	7.8	91.9	26.9	66.3	19.4	8.9	87	25.5	64.4	18.9	10				
	0.09	72	22.2	109.8	32.2	55.3	16.2	6.9	104.8	30.7	53.6	15.7	7.9	99.3	29.1	51.6	15.1	9	93.8	27.5	49.8	14.6	10				
	3056	62	16.7	94.4	27.7	89.9	26.4	6.7	88.9	26.1	87.6	25.7	7.7	83.1	24.4	83.1	24.4	8.8	77.8	22.8	77.8	22.8	9.9				
	1442	67	19.4	104.1	30.5	74.5	21.8	6.8	99.3	29.1	72.7	21.3	7.8	94.1	27.6	70.8	20.7	9	89	26.1	68.8	20.2	10				
	0.1	72	22.2	112.5	33	58.2	17.1	6.9	107.1	31.4	56.4	16.5	8	101.4	29.7	54.4	16	9.1	95.6	28	52.6	15.4	10				
	2333	62	16.7	0	0	0	0	0	105.2	30.8	85.3	25	9.9	100.3	29.4	83	24.3	11.2	95.3	27.9	80.6	23.6	12.5				
	1101	67	19.4	119	34.9	74.3	21.8	8.9	113.7	33.3	72	21.1	10.1	108.7	31.8	69.8	20.5	11.4	103.4	30.3	67.7	19.8	12.7				
	0.07	72	22.2	128.6	37.7	60.7	17.8	9.1	123.5	36.2	58.8	17.2	10.3	117.9	34.6	56.7	16.6	11.6	112.2	32.9	54.5	16	12.8				
61011-C	3200	62	16.7	118.2	34.6	103.4	30.3	8.9	113	33.1	101.1	29.6	10.1	106.6	31.3	98.3	28.8	11.4	99.9	29.3	95.4	28	12.6				
	1510	67	19.4	128.3	37.6	86.2	25.3	9.1	122.9	36	84	24.6	10.3	117.2	34.3	81.8	24	11.6	111.3	32.6	79.5	23.3	12.8				
	0.09	72	22.2	139.2	40.8	68.8	20.2	9.3	133.3	39.1	66.7	19.5	10.5	127	37.2	64.5	18.9	11.8	120.6	35.3	62.3	18.3	13				
	3667	62	16.7	121.4	35.6	111.4	32.6	9	114.9	33.7	108.6	31.8	10.1	108.1	31.7	105.7	31	11.4	101.5	29.8	101.5	29.8	12.6				
	1731	67	19.4	132.1	38.7	92.2	27	9.2	126.5	37.1	90	26.4	10.4	120.5	35.3	87.7	25.7	11.7	114.4	33.5	85.4	25	12.9				
	0.1	72	22.2	143.2	42	72.6	21.3	9.4	137	40.1	70.5	20.7	10.6	130.3	38.2	68.2	20	11.9	123.7	36.3	66	19.3	13				
	3135	62	16.7	131.4	38.5	109.9	32.2	10.4	125	36.7	107	31.4	11.8	117.6	34.5	103.7	30.4	13.3	109.8	32.2	100.2	29.4	14.6				
	1480	67	19.4	142.4	41.7	92.3	27.1	10.6	136.1	39.9	89.8	26.3	12.1	129.6	38	87.1	25.5	13.5	123.2	36.1	84.5	24.8	14.9				
	0.07	72	22.2	154.3	45.2	74.6	21.9	10.9	147.6	43.3	72.1	21.1	12.4	140.4	41.2	69.5	20.4	13.8	133.2	39.1	66.9	19.6	15.1				
	4500	62	16.7	139.2	40.8	133.3	39.1	10.6	131.4	38.5	130	38.1	12	123.6	36.2	123.6	36.2	13.4	116.5	34.1	116.5	34.1	14.8				
61014-C	2124	67	19.4	154.7	45.3	110.8	32.5	10.9	147.6	43.3	108.2	31.7	12.4	140.2	41.1	105.4	30.9	13.8	132.2	38.7	102.4	30	15				
	0.1	72	22.2	167	49	86.5	25.4	11.2	159	46.6	83.8	24.6	12.6	150.5	44.1	80.9	23.7	14	146.2	42.9	79.5	23.3	14.6				
	4927	62	16.7	140.6	41.2	140.2	41.1	10.6	133	39	133	39	12	125.3	36.7	125.3	36.7	13.4	118.2	34.6	118.2	34.6	14.8				
	2325	67	19.4	157.4	46.1	116.2	34.1	11	150.1	44	113.5	33.3	12.4	142.3	41.7	110.6	32.4	13.8	133.1	39	107.2	31.4	15.1				
	0.1	72	22.2	169.7	49.7	89.8	26.3	11.3	161.3	47.3	87.1	25.5	12.7	152.5	44.7	84.2	24.7	14.1	0	0	0	0	0				
	3135	62	16.7	118.2	34.6	101.3	29.7	9.7	112.5	33	98.8	29	11.3	105.1	30.8	95.6	28	13.1	97.7	28.6	92.4	27.1	14.8				
	1480	67	19.4	130	38.1	85.4	25	9.9	124.4	36.5	83.1	24.4	11.6	118.4	34.7	80.8	23.7	13.4	112.6	33	78.5	23	15.1				
	0.11	72	22.2	142.8	41.9	69.2	20.3	10.2	136.7	40.1	67	19.6	11.9	130.4	38.2	64.8	19	13.7	124.1	36.4	62.6	18.3	15.4				
	4170	62	16.7	124.7	36.5	118.1	34.6	9.8	117.1	34.3	114.9	33.7	11.4	109.6	32.1	109.6	32.1	13.2	102.8	30.1	102.8	30.1	14.9				
	1968	67	19.4	139.3	40.8	98.6	28.9	10.1	133.2	39	96.3	28.2	11.8	126.8	37.2	93.8	27.5	13.6	120.5								

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 60 Hz (R-407C)

Model PACS	AFR	EWB		Condenser Entering Air Temperature																							
	cfm			95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)					
	l/s			Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *				
	(BPF)	°F	°C	MBh	kW	MBh	kW	PI	MBh	kW	MBh	kW	PI	MBh	kW	MBh	kW	PI	MBh	kW	MBh	kW	PI				
62023-C	4769	62	16.7	217.3	63.7	175.3	51.4	18.5	207.7	60.9	170.9	50.1	21	197.7	57.9	166.2	48.7	23.6	187.4	54.9	161.5	47.3	26				
	2251	67	19.4	234.6	68.8	148.1	43.4	18.9	224.6	65.8	143.8	42.1	21.5	214.2	62.8	139.5	40.9	24.1	203.7	59.7	135.2	39.6	26.4				
	0.07	72	22.2	254.3	74.5	120.8	35.4	19.4	243.4	71.3	116.7	34.2	22	232	68	112.4	33	24.5	226.3	66.3	110.3	32.3	25.7				
	6600	62	16.7	233.7	68.5	208.7	61.2	18.9	221.6	64.9	203.4	59.6	21.4	208	61	197.6	57.9	23.9	195.1	57.2	192.2	56.3	26.2				
	3115	67	19.4	253.8	74.4	173.3	50.8	19.4	242.4	71.1	168.9	49.5	21.9	230.7	67.6	164.3	48.2	24.5	224.8	65.9	162.1	47.5	25.6				
	0.09	72	22.2	274.6	80.5	137.4	40.3	19.9	262.2	76.9	133	39	22.5	249.3	73.1	128.6	37.7	24.9	243	71.2	126.4	37	26				
	7494	62	16.7	237.7	69.7	223.2	65.4	19	224.2	65.7	217.5	63.7	21.5	211	61.8	211	61.8	24	198.4	58.2	198.4	58.2	26.2				
	3537	67	19.4	260.4	76.3	184.7	54.1	19.6	248.6	72.9	180.2	52.8	22.1	236.4	69.3	175.6	51.5	24.6	230.3	67.5	173.3	50.8	25.7				
	0.1	72	22.2	281.6	82.5	144.6	42.4	20.1	268.4	78.7	140.1	41.1	22.6	255.1	74.8	135.7	39.8	25	248.6	72.9	133.5	39.1	26.1				
62028-C	5104	62	16.7	0	0	0	0	0	230.2	67.5	186.6	54.7	23.7	217.6	63.8	180.7	53	26.7	205.9	60.4	175.3	51.4	29.5				
	2409	67	19.4	262.6	77	163.4	47.9	21.3	249.1	73	157.6	46.2	24.2	237.2	69.5	152.6	44.7	27.2	225.9	66.2	147.9	43.3	29.9				
	0.07	72	22.2	283.1	83	133.5	39.1	21.9	270.9	79.4	128.8	37.8	24.8	258.3	75.7	124.1	36.4	27.7	246	72.1	119.5	35	30.3				
	7300	62	16.7	262.9	77.1	232.4	68.1	21.3	249.8	73.2	226.6	66.4	24.2	233.3	68.4	219.5	64.3	27.1	218.2	64	213.1	62.5	29.7				
	3445	67	19.4	285.1	83.6	193.1	56.6	21.9	272.2	79.8	188	55.1	24.8	259	75.9	182.9	53.6	27.7	246.2	72.1	178	52.2	30.3				
	0.1	72	22.2	308.8	90.5	153.5	45	22.5	294.8	86.4	148.6	43.6	25.4	280.2	82.1	143.5	42.1	28.2	272.8	80	141	41.3	29.5				
	8021	62	16.7	267.6	78.4	244.5	71.7	21.5	252.1	73.9	237.9	69.7	24.3	235.7	69.1	231	67.7	27.2	221.1	64.8	221.1	64.8	29.8				
	3785	67	19.4	290.7	85.2	202.3	59.3	22.1	277.5	81.3	197.2	57.8	25	263.9	77.4	192.1	56.3	27.9	257.2	75.4	189.5	55.6	29.2				
	0.1	72	22.2	314.6	92.2	159.4	46.7	22.7	300.2	88	154.4	45.3	25.6	284.8	83.5	149.1	43.7	28.3	277.2	81.2	146.6	43	29.6				
62030-C	6016	62	16.7	272.8	80	220.6	64.7	22.8	259.8	76.1	214.5	62.9	26	245.9	72.1	208	61	29.5	231.7	67.9	201.6	59.1	32.7				
	2839	67	19.4	295.4	86.6	186.5	54.7	23.3	281.9	82.6	180.8	53	26.6	267.8	78.5	175	51.3	30	253.6	74.3	169.2	49.6	33.2				
	0.07	72	22.2	321	94.1	152.5	44.7	23.9	306.7	89.9	147.1	43.1	27.2	291.5	85.4	141.4	41.4	30.6	276.6	81.1	135.9	39.8	33.6				
	8600	62	16.7	296.1	86.8	267.8	78.5	23.3	278.3	81.6	260.1	76.2	26.5	259.8	76.2	252.3	73.9	29.8	242.5	71.1	242.5	71.1	32.9				
	4059	67	19.4	322.7	94.6	222.3	65.2	24	307.6	90.2	216.4	63.4	27.2	291.7	85.5	210.4	61.7	30.6	276.1	80.9	204.5	59.9	33.6				
	0.1	72	22.2	350.3	102.7	176.1	51.6	24.7	333.9	97.9	170.4	50	28	316.7	92.8	164.5	48.2	31.3	300.2	88	158.9	46.6	34.1				
	9453	62	16.7	299.2	87.7	281.3	82.4	23.4	281	82.4	273.6	80.2	26.5	262.9	77.1	262.9	77.1	29.9	245.9	72.1	245.9	72.1	33				
	4461	67	19.4	329.2	96.5	233.2	68.3	24.1	313.6	91.9	227.3	66.6	27.4	297.3	87.1	221.2	64.8	30.8	281.4	82.5	215.2	63.1	33.7				
	0.1	72	22.2	357.1	104.7	183.1	53.7	24.9	340	99.6	177.2	51.9	28.1	322.4	94.5	171.4	50.2	31.4	305.7	89.6	165.8	48.6	34.2				
62034-C	6563	62	16.7	0	0	0	0	0	295.4	86.6	239.6	70.2	31.6	280.3	82.2	232.5	68.2	35.5	265	77.7	225.5	66.1	39				
	3097	67	19.4	336	98.5	209.4	61.4	28.7	319.4	93.6	202.3	59.3	32.3	304	89.1	195.8	57.4	36.2	288.5	84.6	189.4	55.5	39.6				
	0.07	72	22.2	362.9	106.4	171.3	50.2	29.5	347	101.7	165.2	48.4	33.2	330.3	96.8	158.9	46.6	36.9	313.8	92	152.7	44.8	40.2				
	9400	62	16.7	336.6	98.6	298.3	87.4	28.7	320.3	93.9	291.2	85.3	32.4	299	87.6	282	82.7	36	279.1	81.8	273.6	80.2	39.3				
	4436	67	19.4	365.6	107.2	248.1	72.7	29.6	348.8	102.2	241.4	70.8	33.2	331.2	97.1	234.6	68.8	36.9	314	92	228.1	66.9	40.2				
	0.1	72	22.2	396.4	116.2	197.2	57.8	30.5	378.1	110.8	190.8	55.9	34.1	359.2	105.3	184.3	54	37.7	349.8	102.5	181.1	53.1	39.4				
	10313	62	16.7	342.6	100.4	313.8	92	28.9	322.8	94.6	305.3	89.5	32.4	301.9	88.5	296.5	86.9	36.1	282.5	82.8	282.5	82.8	39.4				
	4867	67	19.4	372.8	109.3	259.7	76.1	29.8	355.4	104.2	253	74.2	33.4	337.4	98.9	246.2	72.2	37.1	319.8	93.7	239.6	70.2	40.3				
	0.1	72	22.2	403.9	118.4	204.7	60	30.7	385.1	112.9	198.2	58.1	34.3	365.5	107.1	191.5	56.1	37.9	356	104.3	188.4	55.2	39.6				
62040-C	7292	62	16.7	0	0	0	0	0	338	99.1	270.8	79.4	36.3	321.1	94.1	262.9	77.1	41.1	304	89.1	254.9	74.7	45.4				
	3441	67	19.4	384.6	112.7	237.6	69.7	32.7	365.9	107.3	229.5	67.3	37.2	347.5	101.8	221.6	65	41.9	330.1	96.8	214.4	62.8	46.1				
	0.07	72	22.2	413.7	121.3	194.4	57	33.6	395.9	116.1	187.5	54.9	38.2	377.3	110.6	180.4	52.9	42.8	358.8	105.2	173.5	50.8	46.8				
	10400	62	16.7	384.6	112.7	335.6	98.4	32.7	366.4	107.4	327.5	96	37.2	345.2	101.2	318.3	93.3	41.8	322	94.4	308.4	90.4	45.9				
	4908	67	19.4	416.9	122.2	279.5	81.9	33.7	398.1	116.7	272	79.7	38.2	378.5	110.9	264.3	77.5	42.8	359.2	105.3	256.9	75.3	46.8				
	0.09	72	22.2	451.8	132.4	223	65.3	34.8	431.5	126.5	215.8	63.2	39.3	410.6	120.3	208.5	61.1	43.7	400.2	117.3	204.9	60.1	45.7				
	11458	62	16.7	391.9	114.9	353.5	103.6	32.9	372.5	109.2	345.2	101.2	37.4	348.3	102.1	334.9	98.1	41.9	325.6	95.4	325.4	95.4	45.9				
	5408	67	19.4	425.5	124.7	293	85.9	34	406.1	119	285.4	83.7	38.5	386	113.1	277.8	81.4	43	376	110.2	274	80.3	45.1				
	0.1	72	22.2	460.9	135.1	231.7	67.9	35	440	129	244.4	65.8	39.5	418.4	122.6	217	63.6	43.9	407.7	119.5	213.4	62.5	45.9				
62046-C	8203	62	16.7	0	0	0	0	0	383.3	112.3	306.2	89.7	41.1	364.5	106.8	297.3	87.1	46.8	345.3	101.2	288.3	84.5	51.9				
	3871	67	19.4	436	127.8	268.8	78.8	36.9	415.1	121.7	259.6	76.1	42.2	394	115.5	250.6	73.4	47.8	374.5	109.8	242.4	71.1	52.7				
	0.07	72	22.2	468.3	137.2	219.8	64.4	37.9	448.4	131.4	212	62.2	43.3	427.6	125.3	204.1	59.8	48.8</									

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

GROSS CAPACITY RATINGS - 60 Hz (R-407C)

Model PACS	AFR	EWB		Condenser Entering Air Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	cfm			95°F (35°C)						105°F (40.6°C)						115°F (46.1°C)						125°F (51.7°C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	l/s			Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *	Total Capacity		Sensible Capacity		PI *																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

FAN PERFORMANCE - 50Hz

Model PACS	Air Flow Rate		Internal Static Pressure		External Static Pressure in.wg (Pa)																			
					0.2 (50)		0.4 (100)		0.6 (150)		0.8 (200)		1 (250)		1.2 (300)		1.4 (350)		1.6 (400)		1.8 (450)		2 (500)	
	cfm	l/s	in.wg	Pa	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
51005	1633	771	0.41	101.69	730	0.23	833	0.28	932	0.34	1024	0.39	1112	0.45	1195	0.52	1273	0.58	1348	0.65	1419	0.72	1488	0.79
	2000	944	0.63	156.81	857	0.39	944	0.45	1028	0.52	1109	0.58	1186	0.65	1261	0.72	1333	0.8	1402	0.87	1469	0.95	1533	1.03
	2567	1211	1.07	266.89	1067	0.79	1136	0.87	1203	0.94	1269	1.02	1334	1.11	1397	1.19	1459	1.28	1519	1.37	1577	1.46	1635	1.55
51007	1944	917	0.41	101.68	752	0.31	844	0.37	933	0.43	1019	0.49	1101	0.56	1180	0.62	1255	0.69	1328	0.77	1398	0.84	1465	0.92
	2500	1180	0.7	174.33	929	0.62	1002	0.69	1073	0.76	1143	0.84	1211	0.92	1278	1	1343	1.08	1407	1.16	1469	1.25	1529	1.34
	3056	1442	1.07	266.9	1114	1.11	1173	1.19	1232	1.27	1291	1.36	1348	1.45	1405	1.54	1461	1.64	1516	1.73	1571	1.83	1624	1.93
51008	1944	917	0.47	117.64	782	0.33	873	0.39	961	0.45	1045	0.51	1126	0.58	1204	0.65	1279	0.72	1351	0.79	1420	0.87	1486	0.94
	2700	1274	0.96	238.72	1040	0.82	1107	0.9	1172	0.98	1237	1.06	1300	1.14	1362	1.23	1423	1.32	1483	1.41	1541	1.5	1598	1.59
	3056	1442	1.25	310.45	1166	1.18	1225	1.26	1284	1.35	1341	1.44	1398	1.53	1454	1.63	1510	1.72	1564	1.82	1618	1.92	1670	2.02
51009	2333	1101	0.47	117.66	649	0.35	739	0.43	824	0.51	905	0.6	981	0.69	1053	0.79	1120	0.89	1185	0.99	1246	1.1	1304	1.2
	3200	1510	0.93	232.41	846	0.84	913	0.94	979	1.04	1042	1.15	1105	1.26	1165	1.38	1224	1.5	1280	1.63	1335	1.75	1389	1.88
	3667	1730	1.25	310.42	958	1.23	1016	1.35	1074	1.46	1131	1.58	1186	1.71	1241	1.84	1295	1.97	1347	2.11	1398	2.24	1448	2.38
51012	3135	1479	0.47	117.66	545	0.44	620	0.55	690	0.66	757	0.77	819	0.9	879	1.02	935	1.16	988	1.29	1039	1.43	1087	1.57
	4500	2124	1.03	256.27	741	1.2	794	1.33	846	1.48	897	1.63	947	1.78	995	1.94	1042	2.11	1088	2.28	1132	2.45	1175	2.63
	4927	2325	1.25	310.35	805	1.55	854	1.7	902	1.85	949	2.01	995	2.18	1040	2.35	1084	2.52	1127	2.7	1169	2.89	-	-
52010	3135	1479	0.41	101.7	521	0.41	596	0.51	668	0.62	736	0.73	800	0.86	860	0.98	917	1.11	971	1.25	1023	1.39	1072	1.53
	4170	1968	0.75	187.57	657	0.89	715	1.01	772	1.14	827	1.28	880	1.43	932	1.58	982	1.73	1031	1.89	1078	2.06	1123	2.22
	4927	2325	1.07	266.81	762	1.43	811	1.57	860	1.72	908	1.87	954	2.03	1000	2.2	1045	2.37	1089	2.55	1132	2.73	1174	2.91
52013	4083	1927	0.41	101.72	551	0.67	612	0.78	672	0.89	730	1.02	787	1.15	842	1.29	896	1.43	948	1.58	998	1.74	1046	1.9
	5200	2454	0.69	170.75	677	1.31	725	1.44	773	1.58	820	1.73	867	1.88	913	2.03	958	2.2	1003	2.37	1046	2.54	1089	2.72
	6417	3028	1.07	266.85	819	2.4	859	2.56	898	2.72	937	2.89	976	3.06	1014	3.24	1052	3.43	1089	3.62	1126	3.82	1163	4.02
52015	4083	1927	0.47	117.67	570	0.7	631	0.81	690	0.93	748	1.06	805	1.19	860	1.33	913	1.48	964	1.63	1013	1.79	1061	1.95
	5200	2454	0.79	197.87	703	1.38	751	1.52	799	1.66	846	1.81	892	1.96	938	2.12	982	2.29	1026	2.46	1070	2.64	1112	2.82
	6417	3028	1.25	310.39	854	2.54	893	2.7	932	2.87	971	3.04	1009	3.22	1047	3.41	1085	3.6	1122	3.79	1159	3.99	1195	4.2
52019	4769	2250	0.43	107.07	663	0.75	756	0.91	845	1.09	930	1.28	1011	1.47	1087	1.68	1159	1.89	1227	2.11	1292	2.34	1354	2.57
	6600	3115	0.88	218.22	872	1.83	941	2.04	1008	2.27	1075	2.5	1139	2.75	1202	3	1264	3.26	1323	3.52	1381	3.8	1440	4.08
	7494	3536	1.15	286.84	979	2.63	1040	2.87	1100	3.12	1159	3.38	1217	3.64	1275	3.92	1331	4.2	1386	4.49	-	-	-	-
52024	5104	2409	0.43	107.05	668	0.84	757	1.01	843	1.19	925	1.38	1004	1.58	1079	1.79	1150	2.01	1219	2.24	1283	2.47	1346	2.71
	7300	3445	0.94	234.43	910	2.28	972	2.5	1034	2.74	1096	2.98	1156	3.24	1215	3.5	1273	3.77	1330	4.05	1386	4.34	-	-
	8021	3785	1.15	286.83	992	2.98	1049	3.23	1106	3.48	1162	3.75	1218	4.02	1272	4.3	1326	4.59	1380	4.89	-	-	-	-
52025	6016	2839	0.43	107.07	554	0.85	635	1.06	711	1.29	783	1.54	850	1.80	913	2.06	973	2.34	1029	2.62	1083	2.91	1135	3.21
	8600	4058	0.94	234.21	749	2.27	807	2.55	864	2.84	920	3.16	973	3.48	1026	3.82	1076	4.16	1125	4.52	1169	4.88	-	-
	9453	4461	1.15	286.81	816	2.97	870	3.27	922	3.59	973	3.93	1023	4.27	1068	4.63	1116	5.00	1162	5.38	-	-	-	-
52028	6563	3097	0.43	107.08	558	0.98	635	1.19	708	1.43	777	1.68	843	1.95	906	2.22	965	2.51	1021	2.81	1075	3.11	1127	3.42
	9400	4436	0.94	235.2	759	2.64	814	2.93	867	3.23	920	3.55	971	3.89	1021	4.23	1066	4.58	1114	4.95	1160	5.33	-	-
	10313	4867	1.15	286.85	827	3.44	876	3.76	926	4.08	974	4.43	1018	4.79	1065	5.15	1110	5.53	1155	5.92	1199	6.32	-	-
52034	7292	3441	0.43	107.07	568	1.17	639	1.40	707	1.64	773	1.90	836	2.18	897	2.46	955	2.77	1011	3.08	1064	3.40	1116	3.72
	10400	4908	0.94	233.03	774	3.17	824	3.47	874	3.78	922	4.11	970	4.45	1016	4.82	1062	5.19	1108	5.57	1152	5.96	1196	6.36
	11458	5407	1.15	286.8	847	4.19	892	4.52	935	4.87	979	5.22	1023	5.59	1066	5.96	1109	6.35	1151	6.75	1193	7.16	-	-
52039	8203	3871	0.43	107.06	586	1.47	650	1.71	712	1.96	773	2.23	833	2.51	890	2.81	946	3.13	1000	3.45	1053	3.78	1103	4.13
	11700	5521	0.94	233.03	803	4.03	848	4.34	892	4.69	936	5.03	980	5.39	1023	5.75	1066	6.13	1108	6.52	1149	6.93	1191	7.34
	12891	6083	1.15	286.84	877	5.35	918	5.70	958	6.06	999	6.42	1039	6.80	1078	7.19	1118	7.59	1156	8.01	1195	8.43	-	-
52045	10208	4817	0.43	107.05	478	1.64	538	1.96	594	2.30	648	2.66	700	3.03	749	3.42	796	3.81	841	4.22	884	4.65	926	5.08
	14600	6890	0.94	234.43	651	4.44	695	4.89	737	5.35	778	5.83	818	6.31	857	6.81	895	7.31	932	7.83	968	8.36	-	-
	16042	7570	1.15	286.83	710	5.83	750	6.32	789	6.82	827	7.33	864	7.86	900	8.39	935	8.93	970	9.49	-	-	-	-
52049	12031	5677	0.43	107.06	497	2.23	551	2.59	603	2.97	652	3.36	700	3.76	746	4.18	791	4.61	834	5.05	875	5.51	916	5.97
	17200	8117	0.94	234.21	683	6.13	721	6.63	759	7.15	796	7.67	833	8.21	868	8.75	903	9.30	937	9.87	971	10.44	-	-

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

FAN PERFORMANCE - 60Hz

Model PACS	Air Flow Rate		Internal Static Pressure		External Static Pressure in.wg (Pa)																			
					0.2 (50)		0.4 (100)		0.6 (150)		0.8 (200)		1 (250)		1.2 (300)		1.4 (350)		1.6 (400)		1.8 (450)		2 (500)	
	cfm	l/s	in.wg	Pa	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
61006	1633	771	0.47	117.64	763	0.24	866	0.3	962	0.35	1053	0.41	1139	0.47	1220	0.54	1297	0.6	1371	0.67	1442	0.74	1509	0.81
	2000	944	0.73	181.65	901	0.42	986	0.48	1068	0.55	1148	0.62	1224	0.69	1297	0.76	1368	0.84	1436	0.91	1501	0.99	1565	1.07
	2567	1211	1.25	310.44	1127	0.86	1195	0.93	1261	1.01	1326	1.1	1389	1.18	1451	1.27	1511	1.36	1570	1.45	1628	1.54	1684	1.64
61008	1944	917	0.47	117.64	782	0.33	873	0.39	961	0.45	1045	0.51	1126	0.58	1204	0.65	1279	0.72	1351	0.79	1420	0.87	1486	0.94
	2500	1180	0.81	202.03	969	0.66	1041	0.73	1112	0.81	1181	0.88	1248	0.96	1314	1.04	1379	1.13	1441	1.21	1502	1.3	1562	1.39
	3056	1442	1.25	310.45	1166	1.18	1225	1.26	1284	1.35	1341	1.44	1398	1.53	1454	1.63	1510	1.72	1564	1.82	1618	1.92	1670	2.02
61009	1944	917	0.54	133.59	812	0.35	902	0.41	988	0.47	1072	0.53	1152	0.6	1229	0.67	1302	0.74	1373	0.81	1441	0.89	1507	0.97
	2700	1274	1.09	271.66	1084	0.87	1150	0.95	1215	1.03	1279	1.11	1341	1.2	1403	1.29	1463	1.38	1521	1.47	1579	1.56	1635	1.66
	3056	1442	1.42	354	1218	1.25	1276	1.34	1334	1.43	1391	1.52	1447	1.61	1503	1.71	1557	1.81	1611	1.91	1664	2.01	1715	2.11
61011	2333	1101	0.54	133.61	678	0.38	767	0.46	850	0.54	930	0.63	1004	0.72	1075	0.82	1141	0.92	1205	1.02	1265	1.13	1323	1.24
	3200	1510	1.06	264.44	889	0.9	955	1	1020	1.11	1083	1.22	1144	1.34	1203	1.46	1260	1.58	1316	1.71	1370	1.84	1422	1.97
	3667	1730	1.42	353.96	1009	1.33	1067	1.45	1124	1.57	1179	1.69	1234	1.82	1288	1.95	1340	2.09	1391	2.23	1441	2.37	1490	2.51
61014	3135	1479	0.54	133.62	570	0.48	643	0.58	712	0.69	777	0.81	839	0.94	897	1.07	952	1.2	1004	1.34	1054	1.48	1102	1.62
	4500	2124	1.17	291.76	779	1.29	832	1.43	883	1.58	933	1.74	981	1.9	1029	2.06	1075	2.23	1119	2.4	1163	2.58	-	-
	4927	2325	1.42	353.88	848	1.68	896	1.83	943	1.99	989	2.16	1034	2.33	1078	2.5	1122	2.68	1164	2.87	-	-	-	-
62011	3135	1479	0.47	117.66	545	0.44	620	0.55	690	0.66	757	0.77	819	0.9	879	1.02	935	1.16	988	1.29	1039	1.43	1087	1.57
	4170	1968	0.87	217.46	692	0.96	749	1.09	805	1.23	859	1.37	912	1.52	962	1.67	1012	1.83	1059	1.99	1105	2.16	1150	2.33
	4927	2325	1.25	310.35	805	1.55	854	1.7	902	1.85	949	2.01	995	2.18	1040	2.35	1084	2.52	1127	2.7	1169	2.89	-	-
62014	4083	1927	0.47	117.67	570	0.7	631	0.81	690	0.93	748	1.06	805	1.19	860	1.33	913	1.48	964	1.63	1013	1.79	1061	1.95
	5200	2454	0.79	197.87	703	1.38	751	1.52	799	1.66	846	1.81	892	1.96	938	2.12	982	2.29	1026	2.46	1070	2.64	1112	2.82
	6417	3028	1.25	310.39	854	2.54	893	2.7	932	2.87	971	3.04	1009	3.22	1047	3.41	1085	3.6	1122	3.79	1159	3.99	1195	4.2
62018	4083	1927	0.54	133.63	590	0.74	650	0.85	709	0.97	767	1.1	823	1.24	877	1.38	929	1.53	980	1.68	1029	1.84	1076	2
	5200	2454	0.9	224.98	729	1.46	777	1.59	824	1.74	871	1.89	917	2.05	962	2.21	1007	2.38	1050	2.56	1093	2.74	1135	2.92
	6417	3028	1.42	353.93	889	2.68	927	2.85	966	3.02	1004	3.2	1042	3.38	1080	3.57	1117	3.77	1154	3.97	1191	4.17	-	-
62023	4769	2250	0.49	123.03	693	0.8	785	0.97	873	1.15	957	1.34	1036	1.54	1110	1.75	1181	1.96	1248	2.18	1312	2.41	1374	2.65
	6600	3115	1.01	250.92	917	1.97	985	2.19	1052	2.42	1117	2.66	1181	2.91	1243	3.17	1303	3.43	1362	3.7	1421	3.98	1476	4.27
	7494	3536	1.33	330.38	1032	2.84	1092	3.09	1152	3.35	1210	3.61	1268	3.88	1324	4.17	1379	4.45	-	-	-	-	-	-
62028	5104	2409	0.49	123.01	697	0.89	785	1.06	869	1.25	951	1.44	1028	1.65	1102	1.86	1173	2.09	1240	2.31	1304	2.55	1365	2.79
	7300	3445	1.08	269.64	954	2.43	1016	2.67	1078	2.91	1138	3.16	1198	3.42	1257	3.69	1314	3.97	1370	4.25	1425	4.54	-	-
	8021	3785	1.33	330.37	1042	3.2	1099	3.45	1155	3.72	1211	3.99	1266	4.27	1320	4.56	1373	4.85	-	-	-	-	-	-
62030	6016	2839	0.49	123.04	580	0.92	660	1.13	735	1.37	805	1.62	871	1.88	933	2.15	987	2.42	1043	2.71	1095	3.00	1146	3.30
	8600	4058	1.08	269.39	790	2.46	848	2.76	903	3.06	954	3.38	1007	3.72	1058	4.06	1111	4.41	1155	4.77	-	-	-	-
	9453	4461	1.33	330.35	863	3.23	915	3.55	965	3.90	1015	4.24	1063	4.60	1111	4.96	1157	5.34	-	-	-	-	-	-
62034	6563	3097	0.49	123.04	583	1.04	658	1.26	730	1.51	799	1.76	863	2.03	925	2.31	979	2.60	1035	2.90	1087	3.23	1138	3.52
	9400	4436	1.09	270.53	798	2.84	852	3.14	905	3.46	955	3.80	1005	4.14	1054	4.49	1102	4.86	1149	5.23	1194	5.62	-	-
	10313	4867	1.33	330.39	870	3.71	919	4.04	966	4.40	1013	4.75	1060	5.11	1106	5.49	1150	5.88	1194	6.28	-	-	-	-
62040	7292	3441	0.49	123.03	591	1.24	661	1.47	728	1.72	793	1.99	856	2.27	916	2.56	969	2.86	1024	3.17	1077	3.49	1127	3.82
	10400	4908	1.08	268.02	809	3.38	859	3.69	908	4.01	955	4.36	1002	4.72	1048	5.08	1094	5.45	1139	5.84	1183	6.24	-	-
	11458	5407	1.33	330.34	886	4.48	932	4.82	975	5.18	1019	5.55	1062	5.92	1105	6.31	1147	6.71	1189	7.12	-	-	-	-
62046	8203	3871	0.49	123.02	606	1.54	670	1.78	732	2.04	792	2.32	851	2.61	909	2.91	960	3.22	1013	3.55	1065	3.89	1115	4.23
	11700	5521	1.08	268.02	834	4.25	879	4.57	924	4.91	966	5.28	1011	5.64	1053	6.01	1095	6.42	1137	6.84	1178	7.21	-	-
	12891	6083	1.33	330.38	915	5.64	954	6.02	995	6.39	1035	6.76	1074	7.15	1114	7.55	1153	7.97	1191	8.39	-	-	-	-
62053	10208	4817	0.49	123.01	497	1.74	556	2.07	612	2.42	665	2.78	716	3.15	764	3.54	810	3.94	855	4.36	898	4.78	939	5.22
	14600	6890	1.08	269.64	682	4.76	724	5.22	766	5.69	806	6.17	845	6.66	884	7.16	921	7.68	957	8.20	993	8.73	-	-
	16042	7570	1.33	330.37	745	6.26	784	6.76	822	7.27	859	7.79	895	8.32	931	8.86	966	9.42	-	-	-	-	-	-
62060	12031	5677	0.49	123.02	515	2.34	568	2.71	619	3.09	668	3.49	715	3.90	761	4.32	805	4.75	847	5.20	888	5.66	928	6.12
	17200	8117	1.08	269.39	710	6.49	748	7.00	785	7.52	822	8.05	858	8.59	893	9.14	927	9.70	961	10.27	994	10.86	-	-
	18906	8922	1.33	330.35	777	8.55	811	9.11</																

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Field Connections

PACS series self-contained heavy duty air cooled packaged units are designed for minimum field interaction.

Power hook-ups and control wiring of room unit as per Electrical hook-up diagram is all that is required to electrically connect any model of **PACS** series .

Every **PACS** series package air conditioning unit requires, at most, field installed fused disconnect switches or circuit breakers, and room unit.

Refer below for a schematic representation of required field electrical hook-ups for a standard **PACS** series packaged air conditioning unit.

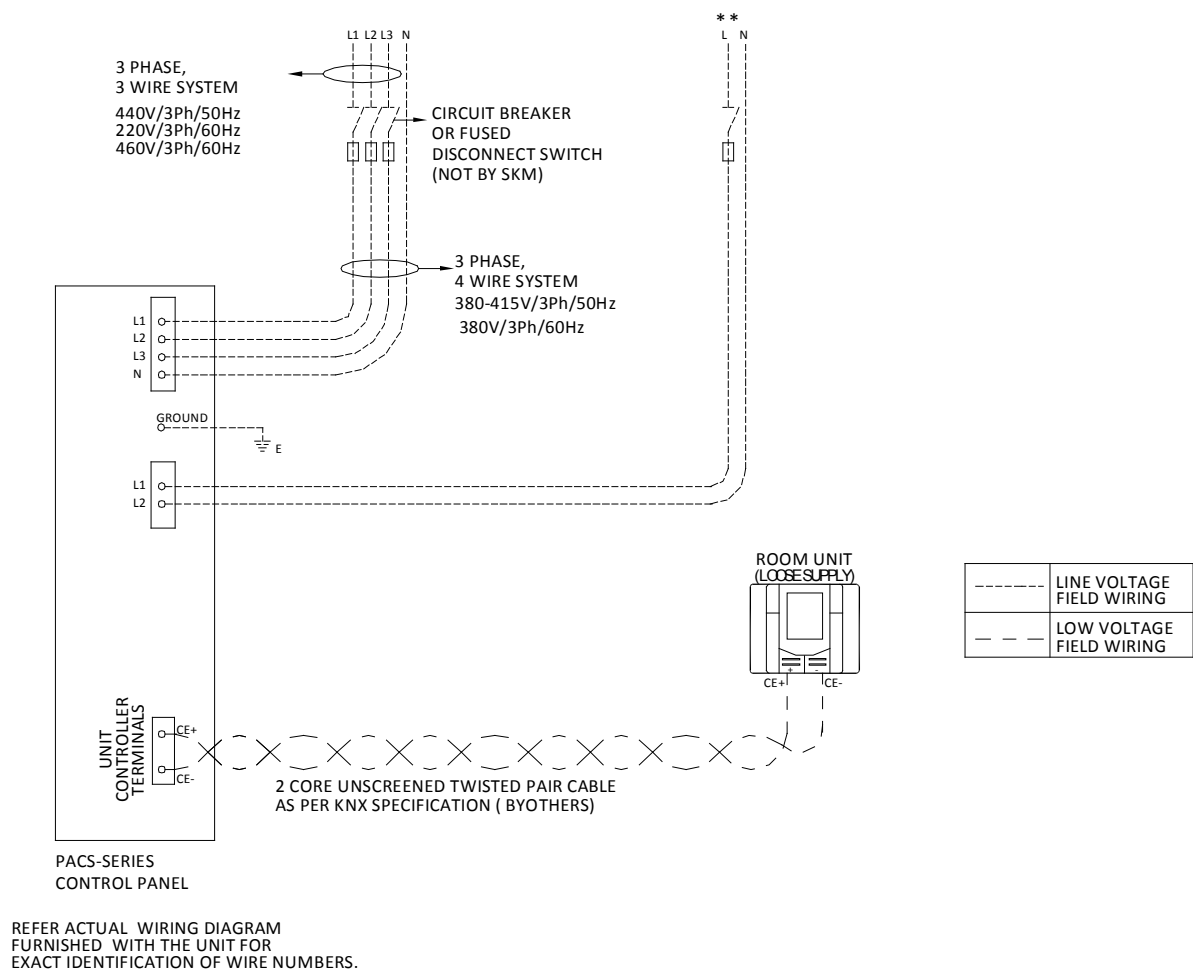
All field wiring must be done in accordance with applicable local and national codes.

For maximum recommended for fuse sizing and minimum circuit amps for cable sizing, see Page 34~35 of this bulletin.

Duct work should be connected with flexible connections to the **PACS** series. One or two drains suitably trapped, are required to be connected to the drain outlet of all models of **PACS** series.

The **PACS** series is then ready to provide cooling, on demand.

Field Wiring Requirement Schematic

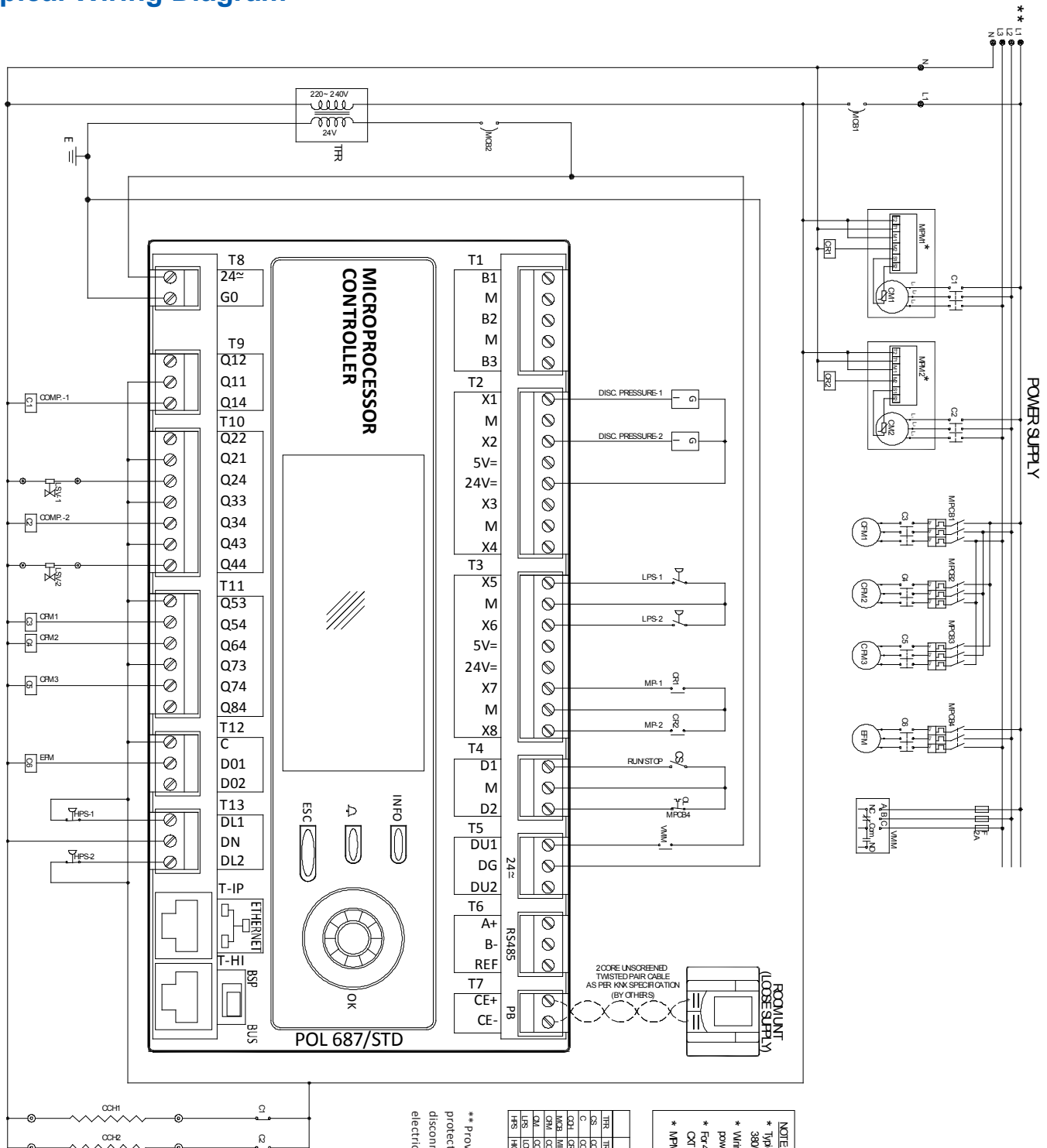


** PACS SERIES UNITS RATED FOR 440V/3PH/50HZ, 460V/3PH/60HZ, OR POWER SUPPLIES WITH OUT NEUTRAL REQUIRE SEPARATE SOURCE OF CONTROL POWER SUPPLY THRU FIELD SUPPLIED & INSTALLED 15A/220V FUSED CONTROL DISCONNECT SWITCH OR ORDER WITH FACTORY BUILT IN OPTION ' CXT '.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Typical Wiring Diagram



** Provide Overcurrent, short circuit, earth fault protection & disconnect means as required by local and national electric code.

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Electrical Data

Power Supply : 380-415V/3Ph/50Hz

Model PACS	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
51005	32	16	81	1	10	74	1	1.1	3.9	1	2.6	12.6
51007	32	20	113	1	12	101	1	2.4	8.9	1	2.6	12.6
51008	50	26	104	1	16	95	2	1.1	3.9	1	3.6	19.2
51009	50	30	127	1	19	118	2	1.1	3.9	1	3.6	19.2
52010	40	30	94	1 + 1	10 + 10	74 + 74	2	1.1	3.9	1	5.3	26.3
51012	63	35	128	1	22	118	2	1.1	3.9	1	5.3	26.3
52013	50	37	130	1 + 1	12 + 12	101 + 101	2	2.4	8.9	1	5.3	26.3
52015	63	46	128	1 + 1	16 + 16	95 + 95	2	2.4	8.9	1	5.3	26.3
52019	80	57	165	1 + 1	19 + 19	118 + 118	2	3.9	17.2	1	6.8	35.6
52024	100	66	170	1 + 1	22 + 22	118 + 118	2	3.9	17.2	1	9	45.6
52025	125	77	199	1 + 1	25 + 25	140 + 140	3	3.9	17.2	1	9	45.6
52028	125	92	241	1 + 1	30 + 30	174 + 174	3	3.9	17.2	1	12.4	67.3
52034	160	102	292	1 + 1	38 + 30	225 + 174	3	3.9	17.2	1	12.4	67.3
52039	160	114	305	1 + 1	38 + 38	225 + 225	3	3.9	17.2	1	16.6	105.6
52045	200	125	356	1 + 1	44 + 38	272 + 225	4	3.9	17.2	1	16.6	105.6
52049	200	138	368	1 + 1	44 + 44	272 + 272	4	3.9	17.2	1	23.1	148.5
52052	200	165	315	2 + 2	30 + 25	174 + 140	4	3.9	17.2	1	31.6	221.2
52060	250	175	325	2 + 2	30 + 30	174 + 174	4	3.9	17.2	1	31.6	221.2
52065	250	193	384	2 + 2	38 + 30	225 + 174	4	3.9	17.2	1	31.6	221.2
52070	250	209	400	2 + 2	38 + 38	225 + 225	4	3.9	17.2	1	31.6	221.2
52080	315	232	462	1 + 3	44 + 38	272 + 225	8	3.9	17.2	1	31.6	221.2
52085	315	238	468	2 + 2	44 + 38	272 + 225	8	3.9	17.2	1	31.6	221.2
52090	315	244	474	3 + 1	44 + 38	272 + 225	8	3.9	17.2	1	31.6	221.2
52095	315	256	486	2 + 2	44 + 44	272 + 272	8	3.9	17.2	1	37.9	284.2

Table 12

Power Supply : 440V/3Ph/50Hz

Model PACS	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
51005	32	16	80	1	10	74	1	0.95	3.4	1	2.4	10.9
51007	32	20	111	1	12	101	1	2.1	7.6	1	2.4	10.9
51008	50	25	103	1	16	95	2	0.95	3.4	1	3.2	16.6
51009	50	29	126	1	19	118	2	0.95	3.4	1	3.2	16.6
52010	40	29	93	1 + 1	10 + 10	74 + 74	2	0.95	3.4	1	4.5	22.7
51012	63	34	127	1	22	118	2	0.95	3.4	1	4.5	22.7
52013	50	36	127	1 + 1	12 + 12	101 + 101	2	2.1	7.6	1	4.5	22.7
52015	63	45	125	1 + 1	16 + 16	95 + 95	2	2.1	7.6	1	4.5	22.7
52019	80	55	161	1 + 1	19 + 19	118 + 118	2	3.5	14.7	1	5.7	30.9
52024	100	64	166	1 + 1	22 + 22	118 + 118	2	3.5	14.7	1	7.4	39.5
52025	100	74	194	1 + 1	25 + 25	140 + 140	3	3.5	14.7	1	7.4	39.5
52028	125	88	236	1 + 1	30 + 30	174 + 174	3	3.5	14.7	1	10.4	58
52034	160	98	287	1 + 1	38 + 30	225 + 174	3	3.5	14.7	1	10.4	58
52039	160	110	299	1 + 1	38 + 38	225 + 225	3	3.5	14.7	1	14	91.2
52045	200	121	349	1 + 1	44 + 38	272 + 225	4	3.5	14.7	1	14	91.2
52049	200	133	361	1 + 1	44 + 44	272 + 272	4	3.5	14.7	1	20	128.1
52052	200	159	306	2 + 2	30 + 25	174 + 140	4	3.5	14.7	1	27	190.9
52060	200	169	316	2 + 2	30 + 30	174 + 174	4	3.5	14.7	1	27	190.9
52065	250	187	375	2 + 2	38 + 30	225 + 174	4	3.5	14.7	1	27	190.9
52070	250	203	391	2 + 2	38 + 38	225 + 225	4	3.5	14.7	1	27	190.9
52080	315	224	452	1 + 3	44 + 38	272 + 225	8	3.5	14.7	1	27	190.9
52085	315	230	458	2 + 2	44 + 38	272 + 225	8	3.5	14.7	1	27	190.9
52090	315	236	464	3 + 1	44 + 38	272 + 225	8	3.5	14.7	1	27	190.9
52095	315	248	476	2 + 2	44 + 44	272 + 272	8	3.5	14.7	1	32.7	245.5

Table 13

Power Supply : 380V/3Ph/60Hz

Model PACS	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
61006	32	18	77	1	11	70	1	1.5	4.5	1	2.6	13.2
61008	40	21	112	1	12	100	1	3.1	9.6	1	2.6	13.2
61009	50	28	133	1	17	123	2	1.5	4.5	1	3.5	20.6
61011	63	37	155	1	24	145	2	1.5	4.5	1	3.5	20.6
62011	50	33	92	1 + 1	11 + 11	70 + 70	2	1.5	4.5	1	4.9	27.3
61014	63	38	156	1	24	145	2	1.5	4.5	1	4.9	27.3
62014	50	38	130	1 + 1	12 + 12	100 + 100	2	3.1	9.6	1	4.9	27.3
62018	80	51	159	1 + 1	17 + 17	123 + 123	2	3.1	9.6	1	6.2	35.9
62023	100	73	200	1 + 1	24 + 24	145 + 145	2	5.3	17.5	1	8.4	46.3
62028	100	73	200	1 + 1	24 + 24	145 + 145	2	5.3	17.5	1	8.4	46.3
62030	160	97	210	1 + 1	31 + 31	139 + 139	3	5.3	17.5	1	11.4	73.5
62034	160	111	273	1 + 1	37 + 37	196 + 196	3	5.3	17.5	1	11.4	73.5
62040	160	117	357	1 + 1	42 + 37	280 + 196	3	5.3	17.5	1	11.4	73.5
62046	200	126	366	1 + 1	42 + 42	280 + 280	3	5.3	17.5	1	15.5	103.9
62053	250	149	444	1 + 1	56 + 42	353 + 280	4	5.3	17.5	1	15.5	103.9
62060	250	170	465	1 + 1	56 + 56	353 + 353	4	5.3	17.5	1	23	149.9
62065	250	197	359	2 + 2	37 + 31	196 + 139	4	5.3	17.5	1	31	218.3
62070	250	209	371	2 + 2	37 + 37	196 + 196	4	5.3	17.5	1	31	218.3
62080	315	221	460	2 + 2	42 + 37	280 + 196	4	5.3	17.5	1	31	218.3
62085	315	231	470	2 + 2	42 + 42	280 + 280	4	5.3	17.5	1	31	218.3
62090	400	269	565	1 + 3	56 + 42	353 + 280	8	5.3	17.5	1	31	218.3
62100	400	283	579	2 + 2	56 + 42	353 + 280	8	5.3	17.5	1	31	218.3
62105	400	297	593	3 + 1	56 + 42	353 + 280	8	5.3	17.5	1	31	218.3
62110	400	318	613	2 + 2	56 + 56	353 + 353	8	5.3	17.5	1	37.6	283.5

Table 14

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Electrical Data

Power Supply : 460V/3Ph/60Hz

Model PACS	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
61006	32	16	82	1	10	75	1	1.3	5.2	1	2.2	10.9
61008	32	20	114	1	12	100	1	3.1	11.8	1	2.2	10.9
61009	50	26	105	1	16	95	2	1.3	5.2	1	3.2	17
61011	50	30	135	1	19	125	2	1.3	5.2	1	3.2	17
62011	40	29	96	1 + 1	10 + 10	75 + 75	2	1.3	5.2	1	4.1	22.6
61014	63	33	136	1	21	125	2	1.3	5.2	1	4.1	22.6
62014	50	37	131	1 + 1	12 + 12	100 + 100	2	3.1	11.8	1	4.1	22.6
62018	63	47	131	1 + 1	16 + 16	95 + 95	2	3.1	11.8	1	5.2	29.6
62023	80	60	177	1 + 1	19 + 19	125 + 125	2	5	21.0	1	6.9	38.2
62028	100	64	179	1 + 1	21 + 21	125 + 125	2	5	21.0	1	6.9	38.2
62030	125	81	215	1 + 1	25 + 25	150 + 150	3	5	21.0	1	9.4	60.7
62034	125	87	247	1 + 1	28 + 28	179 + 179	3	5	21.0	1	9.4	60.7
62040	160	100	293	1 + 1	38 + 38	225 + 225	3	5	21.0	1	9.4	60.7
62046	160	113	307	1 + 1	38 + 38	225 + 225	3	5	21.0	1	12.8	85.8
62053	200	126	359	1 + 1	44 + 44	272 + 272	4	5	21.0	1	12.8	85.8
62060	200	138	371	1 + 1	44 + 44	272 + 272	4	5	21.0	1	19	123.8
62065	200	159	319	2 + 2	28 + 28	179 + 179	4	5	21.0	1	25.5	180.3
62070	200	165	325	2 + 2	28 + 28	179 + 179	4	5	21.0	1	25.5	180.3
62080	250	187	381	2 + 2	38 + 38	225 + 225	4	5	21.0	1	25.5	180.3
62085	250	207	401	2 + 2	38 + 38	225 + 225	4	5	21.0	1	25.5	180.3
62090	315	235	468	1 + 3	44 + 44	272 + 272	8	5	21.0	1	25.5	180.3
62100	315	241	474	2 + 2	44 + 44	272 + 272	8	5	21.0	1	25.5	180.3
62105	315	247	480	3 + 1	44 + 44	272 + 272	8	5	21.0	1	25.5	180.3
62110	315	258	491	2 + 2	44 + 44	272 + 272	8	5	21.0	1	31	234.2

Table 15

Power Supply : 220V/3Ph/60Hz

Model PACS	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
61006	63	33	168	1	21	156	1	2.5	7.5	1	4.5	22.8
61008	80	41	185	1	25	164	1	5.4	16.7	1	4.5	22.8
61009	100	51	211	1	32	195	2	2.5	7.5	1	6.1	35.6
61011	125	62	255	1	41	239	2	2.5	7.5	1	6.1	35.6
62011	100	61	196	1 + 1	21 + 21	156 + 156	2	2.5	7.5	1	8.5	47.2
61014	125	72	264	1	47	245	2	2.5	7.5	1	8.5	47.2
62014	125	76	220	1 + 1	25 + 25	164 + 164	2	5.4	16.7	1	8.5	47.2
62018	160	94	260	1 + 1	32 + 32	195 + 195	2	5.4	16.7	1	10.8	62
62023	200	125	333	1 + 1	41 + 41	239 + 239	2	9	29.7	1	14.5	79.9
62028	200	138	345	1 + 1	47 + 47	245 + 245	2	9	29.7	1	14.5	79.9
62030	250	171	423	1 + 1	55 + 55	300 + 300	3	9	29.7	1	19.8	126.9
62034	250	182	468	1 + 1	60 + 60	340 + 340	3	9	29.7	1	19.8	126.9
62040	315	208	633	1 + 1	81 + 81	505 + 505	3	9	29.7	1	19.8	126.9
62046	400	236	661	1 + 1	81 + 81	505 + 505	3	9	29.7	1	27	179.4
62053	400	253	770	1 + 1	87 + 87	605 + 605	4	9	29.7	1	27	179.4
62060	400	272	789	1 + 1	87 + 87	605 + 605	4	9	29.7	1	40	258.8
62065	400	335	621	2 + 2	60 + 60	340 + 340	4	9	29.7	1	54	377
62070	500	345	631	2 + 2	60 + 60	340 + 340	4	9	29.7	1	54	377
62080	500	392	817	2 + 2	81 + 81	505 + 505	4	9	29.7	1	54	377
62085	630	434	859	2 + 2	81 + 81	505 + 505	4	9	29.7	1	54	377
62090	630	478	995	1 + 3	87 + 87	605 + 605	8	9	29.7	1	54	377
62100	630	484	1001	2 + 2	87 + 87	605 + 605	8	9	29.7	1	54	377
62105	630	490	1007	3 + 1	87 + 87	605 + 605	8	9	29.7	1	54	377
62110	630	507	1024	2 + 2	87 + 87	605 + 605	8	9	29.7	1	65	489.6

Table 16

Legend

MFA Maximum Fuse Amps (for fuse/circuit breaker sizing), complies with NEC Article 440-22 & 430-52.

MCA Minimum Circuit Amps.(for wire sizing), complies with NEC article 440-33.

ICF Maximum Instantaneous Current Flow.

DOL Direct On-Line Start .

PWS Part Winding Start.

RLA Rated Load Amps. (at worst operating condition) .

LRA Locked Rotor Amps.

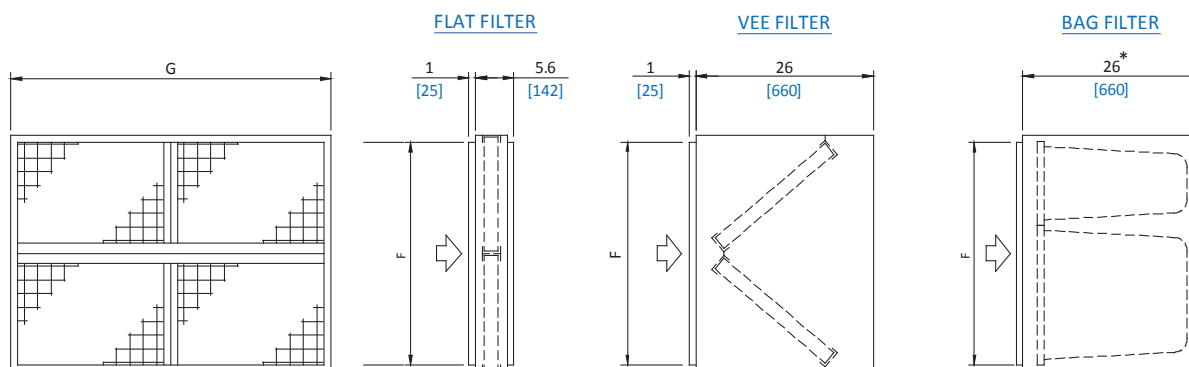
FLA Full Load Amps.

Note :

Voltage imbalance not to exceed $\pm 2\%$ of the rated voltage.

SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

Filter Dimensions & Sizes



MODEL PACS	F	G	FLAT FILTER				VEE FILTER				BAG FILTER			
			SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.
51005 61006	20 [508]	33.6 [853]	20x20 [508x508] 20x12 [508x305]	1 1	-		-		16x16 [406x406]	4	20x20 [508x508] 20x12 [508x305]	1 1	-	-
51007 61008	20 [508]	40 [1016]	20x20 [508x508]	2	-		-		16x20 [406x508]	4	20x20 [508x508]	2	-	-
51008 61009	20	40	20x20 [508x508]	2	-		-		16x20 [406x508]	4	20x20 [508x508]	2	-	-
51009 61011	24 [610]	40 [1016]	24x20 [610x508]	2	-		-		20x20 [508x508]	4	24x20 [610x508]	2	-	-
52010 62011	30 [762]	43 [1092]	12x24 [305x610] 20x24 [508x610]	1 1	12x20 [305x508] 20x20 [508x508]	1 1	-		24x24 [635x635] 24x20 [635x508]	2 2	12x24 [305x610] 20x24 [508x610]	1 1	12x20 [305x508] 20x20 [508x508]	1 1
51012 61014	30 [762]	43 [1092]	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 1 1	12x20 [305x508] 20x20 [508x508]	1 1	-		24x24 [635x635] 24x20 [635x508]	2 2	12x24 [305x610] 20x24 [508x610]	1 1	12x20 [305x508] 20x20 [508x508]	1 1
52013 62014	30 [762]	56 [1422]	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 1 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 1 1	-		24x20 [635x508] 24x16 [635x406]	4 2	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 1 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 1 1
52015 62018	30 [762]	56 [1422]	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 1 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 1 1	-		24x20 [635x508] 24x16 [635x406]	4 2	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 1 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 1 1
52019 62023	30 [762]	65.4 [1661]	12x24 [305x610] 12x20 [305x508]	1 2	20x24 [508x610] 20x20 [508x508]	1 2	-		24x24 [635x635] 24x16 [635x406]	4 2	12x24 [305x610] 12x20 [305x508]	1 2	20x24 [508x610] 20x20 [508x508]	1 2
52024 62028	30 [762]	70 [1778]	12x24 [305x610] 20x24 [508x610]	3 3	-		-		24x24 [635x635] 24x20 [635x508]	4 2	12x24 [305x610] 20x24 [508x610]	3 3	-	-
52025 62030	33 [838]	75 [1905]	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 2 2	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1	-		24x24 [635x635]	6	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 2 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1
52028 62034	36 [914]	75 [1905]	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	1 2 1	-		24x24 [635x635]	6	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	1 2 1
52034 62040	40 [1016]	75 [1905]	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	2 4 2	-		-		20x24 [508x635]	9	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	2 4 2	-	-
52039 62046	45 [1143]	75 [1905]	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	1 2 1	-		20x24 [508x635]	9	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	1 2 1
52045 62053	56 [1422]	75 [1905]	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 2 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	1 2 1	24x24 [635x635]	9	12x24 [305x610] 12x20 [305x508] 12x12 [305x305]	1 2 1	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1
52049 62060	66 [1676]	75 [1905]	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	2 4 2	-		24x24 [635x635]	12	20x24 [508x610] 20x20 [508x508] 20x12 [508x305]	1 2 1	24x24 [610x610] 24x20 [610x508] 24x12 [610x305]	2 4 2
52052 62065	72 [1829]	75 [1905]	24x20 [610x508] 24x24 [610x610] 24x12 [610x305]	6 3 3	-		-		24x24 [635x635]	12	24x20 [610x508] 24x24 [610x610] 24x12 [610x305]	6 3 3	-	-
52060 62070	72 [1829]	86 [2184]	24x20 [610x508] 24x24 [610x610]	6 6	-		-		24x24 [635x635] 24x20 [635x508]	8 8	24x20 [610x508] 24x24 [610x610]	6 6	-	-
52065 62080	72 [1829]	98 [2489]	24x24 [610x610]	12	-		-		24x24 [635x635]	16	24x24 [610x610]	12	-	-
52070 62085	72 [1829]	98 [2489]	24x24 [610x610]	12	-		-		24x24 [635x635]	16	24x24 [610x610]	12	-	-
52080 62090	81 [2057]	98 [2489]	20x24 [610x610]	16	-		-		24x24 [635x635]	20	20x24 [610x610]	16	-	-
52085 62100	90 [2286]	102 [2591]	24x20 [610x508] 24x24 [610x610] 24x12 [610x305]	3 9 3	20x20 [508x508] 20x24 [508x610] 20x12 [508x305]	1 3 1	-		24x24 [635x635]	20	24x20 [610x508] 24x24 [610x610] 24x12 [610x305]	3 9 3	20x20 [508x508] 20x24 [508x610] 20x12 [508x305]	1 3 1
52090 62105	90 [2286]	108 [2743]	24x24 [610x610] 24x12 [610x305]	12 3	20x24 [610x610] 20x12 [610x305]	4 1	-		24x16 [635x406] 24x20 [635x508]	15 15	24x24 [610x610] 24x12 [610x305]	12 3	20x24 [610x610] 20x12 [610x305]	4 1
52095 62110	90 [2286]	115 [2921]	24x20 [610x508] 24x24 [610x610]	3 12	20x20 [508x508] 20x24 [508x610]	1 4	-		24x24 [635x635] 24x16 [635x406]	20 5	24x20 [610x508] 24x24 [610x610]	3 12	20x20 [508x508] 20x24 [508x610]	1 4

*BAG FILTER IS APPLICABLE FOR 21" DEPTH

ALL DIMENSIONS ARE IN INCHES [mm]

Table 17

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Loading Points 50Hz

PACS	UNIT	LOADING POINTS														TOTAL WEIGHT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	
51005	lb.	228	235	300	303	-	-	-	-	-	-	-	-	-	-	1066
	Kg.	104	107	136	137	-	-	-	-	-	-	-	-	-	-	484
51007	lb.	234	240	319	322	-	-	-	-	-	-	-	-	-	-	1115
	Kg.	106	109	145	146	-	-	-	-	-	-	-	-	-	-	506
51008	lb.	318	318	407	381	-	-	-	-	-	-	-	-	-	-	1424
	Kg.	144	144	184	173	-	-	-	-	-	-	-	-	-	-	646
51009	lb.	335	335	427	401	-	-	-	-	-	-	-	-	-	-	1499
	Kg.	152	152	194	182	-	-	-	-	-	-	-	-	-	-	680
52010	lb.	358	363	441	430	-	-	-	-	-	-	-	-	-	-	1592
	Kg.	162	165	200	195	-	-	-	-	-	-	-	-	-	-	722
51012	lb.	352	352	432	406	-	-	-	-	-	-	-	-	-	-	1543
	Kg.	160	160	196	184	-	-	-	-	-	-	-	-	-	-	700
52013	lb.	378	384	469	460	-	-	-	-	-	-	-	-	-	-	1690
	Kg.	171	174	213	208	-	-	-	-	-	-	-	-	-	-	767
52015	lb.	461	468	571	569	-	-	-	-	-	-	-	-	-	-	2070
	Kg.	209	212	259	258	-	-	-	-	-	-	-	-	-	-	939
52019	lb.	494	502	595	596	-	-	-	-	-	-	-	-	-	-	2186
	Kg.	224	228	270	270	-	-	-	-	-	-	-	-	-	-	992
52024	lb.	513	521	645	629	-	-	-	-	-	-	-	-	-	-	2308
	Kg.	233	236	293	285	-	-	-	-	-	-	-	-	-	-	1047
52025	lb.	645	652	766	720	-	-	-	-	-	-	-	-	-	-	2783
	Kg.	292	296	347	327	-	-	-	-	-	-	-	-	-	-	1262
52028	lb.	692	701	809	763	-	-	-	-	-	-	-	-	-	-	2965
	Kg.	314	318	367	346	-	-	-	-	-	-	-	-	-	-	1345
52034	lb.	730	728	956	830	-	-	-	-	-	-	-	-	-	-	3245
	Kg.	331	330	434	377	-	-	-	-	-	-	-	-	-	-	1472
52039	lb.	774	783	1025	979	-	-	-	-	-	-	-	-	-	-	3562
	Kg.	351	355	465	444	-	-	-	-	-	-	-	-	-	-	1616
52045	lb.	1004	1037	1299	1233	-	-	-	-	-	-	-	-	-	-	4574
	Kg.	455	470	589	559	-	-	-	-	-	-	-	-	-	-	2075
52049	lb.	1102	1145	1371	1327	-	-	-	-	-	-	-	-	-	-	4946
	Kg.	500	519	622	602	-	-	-	-	-	-	-	-	-	-	2243
52052	lb.	1607	1666	1793	1701	-	-	-	-	-	-	-	-	-	-	6765
	Kg.	729	756	813	771	-	-	-	-	-	-	-	-	-	-	3069
52060	lb.	1029	735	839	544	722	722	1236	1120	-	-	-	-	-	-	6948
	Kg.	467	333	380	247	328	328	561	508	-	-	-	-	-	-	3151
52065	lb.	1221	1001	1161	941	1569	1411	1455	1673	-	-	-	-	-	-	10434
	Kg.	554	454	527	427	712	640	660	759	-	-	-	-	-	-	4733
52070	lb.	1224	1004	1164	944	1615	1441	1479	1720	-	-	-	-	-	-	10591
	Kg.	555	455	528	428	733	654	671	780	-	-	-	-	-	-	4804
52080	lb.	1045	856	985	795	823	765	1224	883	763	831	1043	1440	-	-	11453
	Kg.	474	388	447	361	373	347	555	400	346	377	473	653	-	-	5195
52085	lb.	898	717	836	681	810	672	784	720	1187	847	720	784	1017	1356	12030
	Kg.	407	325	379	309	368	305	356	327	538	384	327	356	461	615	5457
52090	lb.	914	719	849	681	825	673	784	720	1187	847	727	806	1052	1468	12252
	Kg.	414	326	385	309	374	305	356	327	538	384	330	365	477	666	5558
52095	lb.	977	752	876	690	841	675	806	727	1299	883	727	806	1053	1469	12581
	Kg.	443	341	398	313	381	306	366	330	589	401	330	366	478	666	5707

Table 18

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Loading Points 60Hz

PACS	UNIT	LOADING POINTS														TOTAL WEIGHT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	
61006	lb.	233	239	301	304	-	-	-	-	-	-	-	-	-	-	1077
	Kg.	105	108	137	138	-	-	-	-	-	-	-	-	-	-	489
61008	lb.	238	244	321	324	-	-	-	-	-	-	-	-	-	-	1127
	Kg.	108	111	146	147	-	-	-	-	-	-	-	-	-	-	511
61009	lb.	324	324	409	384	-	-	-	-	-	-	-	-	-	-	1440
	Kg.	147	147	186	174	-	-	-	-	-	-	-	-	-	-	653
61011	lb.	341	341	430	404	-	-	-	-	-	-	-	-	-	-	1516
	Kg.	155	155	195	183	-	-	-	-	-	-	-	-	-	-	688
62011	lb.	365	370	443	433	-	-	-	-	-	-	-	-	-	-	1611
	Kg.	166	168	201	196	-	-	-	-	-	-	-	-	-	-	731
61014	lb.	360	360	434	409	-	-	-	-	-	-	-	-	-	-	1563
	Kg.	163	163	197	185	-	-	-	-	-	-	-	-	-	-	709
62014	lb.	389	395	471	462	-	-	-	-	-	-	-	-	-	-	1716
	Kg.	176	179	214	210	-	-	-	-	-	-	-	-	-	-	779
62018	lb.	475	482	575	574	-	-	-	-	-	-	-	-	-	-	2106
	Kg.	215	219	261	260	-	-	-	-	-	-	-	-	-	-	955
62023	lb.	512	521	602	605	-	-	-	-	-	-	-	-	-	-	2241
	Kg.	232	236	273	275	-	-	-	-	-	-	-	-	-	-	1016
62028	lb.	527	536	652	637	-	-	-	-	-	-	-	-	-	-	2351
	Kg.	239	243	296	289	-	-	-	-	-	-	-	-	-	-	1067
62030	lb.	674	683	777	732	-	-	-	-	-	-	-	-	-	-	2866
	Kg.	306	310	353	332	-	-	-	-	-	-	-	-	-	-	1300
62034	lb.	713	720	818	773	-	-	-	-	-	-	-	-	-	-	3024
	Kg.	323	327	371	350	-	-	-	-	-	-	-	-	-	-	1372
62040	lb.	752	748	966	840	-	-	-	-	-	-	-	-	-	-	3307
	Kg.	341	339	438	381	-	-	-	-	-	-	-	-	-	-	1500
62046	lb.	799	805	1035	989	-	-	-	-	-	-	-	-	-	-	3628
	Kg.	362	365	469	449	-	-	-	-	-	-	-	-	-	-	1646
62053	lb.	1032	1067	1314	1247	-	-	-	-	-	-	-	-	-	-	4660
	Kg.	468	484	596	566	-	-	-	-	-	-	-	-	-	-	2114
62060	lb.	1133	1179	1385	1341	-	-	-	-	-	-	-	-	-	-	5038
	Kg.	514	535	628	608	-	-	-	-	-	-	-	-	-	-	2285
62065	lb.	1653	1717	1809	1716	-	-	-	-	-	-	-	-	-	-	6895
	Kg.	750	779	820	779	-	-	-	-	-	-	-	-	-	-	3128
62070	lb.	1077	736	887	545	733	733	1247	1131	-	-	-	-	-	-	7090
	Kg.	489	334	402	247	333	333	566	513	-	-	-	-	-	-	3216
62080	lb.	1273	1005	1212	945	1581	1423	1466	1685	-	-	-	-	-	-	10590
	Kg.	577	456	550	429	717	645	665	764	-	-	-	-	-	-	4804
62085	lb.	1275	1008	1215	948	1627	1452	1491	1731	-	-	-	-	-	-	10747
	Kg.	579	457	551	430	738	659	676	785	-	-	-	-	-	-	4875
62090	lb.	1102	860	1042	800	834	776	1235	894	774	842	1054	1452	-	-	11665
	Kg.	500	390	473	363	378	352	560	405	351	382	478	658	-	-	5291
62100	lb.	942	721	880	684	854	677	795	731	1198	858	731	795	1028	1367	12262
	Kg.	427	327	399	310	387	307	361	332	543	389	332	361	466	620	5562
62105	lb.	960	723	895	685	871	679	796	732	1198	859	738	817	1064	1479	12494
	Kg.	435	328	406	311	395	308	361	332	543	389	335	370	482	671	5667
62110	lb.	1027	756	926	694	891	681	817	738	1310	894	738	817	1064	1480	12831
	Kg.	466	343	420	315	404	309	371	335	594	406	335	371	483	671	5820

Table 19

SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Dimensional Data

PACS Models: 51005, 51007 & 61006, 61008

LEGEND

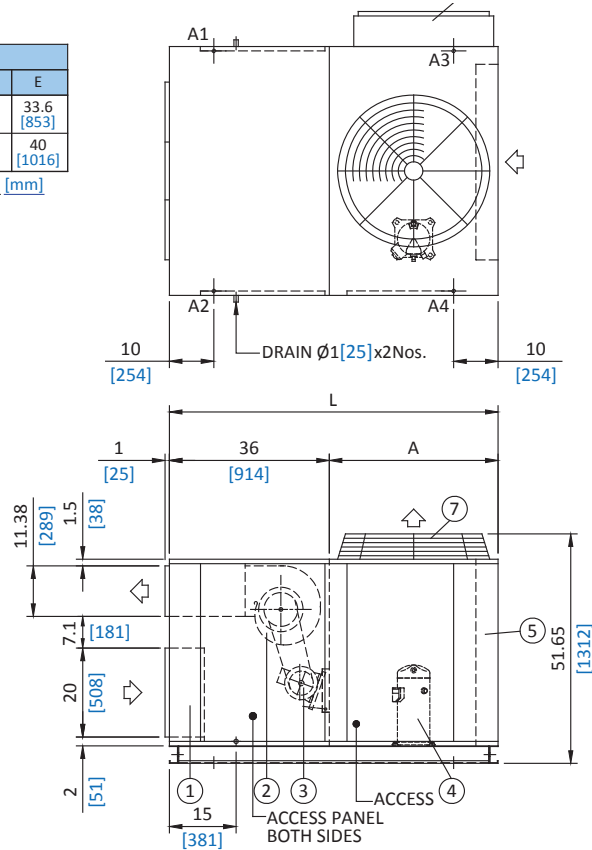
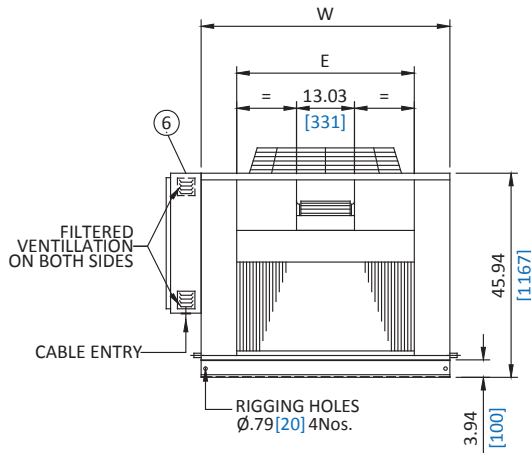
- ① - EVAPORATOR COIL
- ② - EVAPORATOR FAN
- ③ - EVAPORATOR FAN MOTOR
- ④ - COMPRESSOR
- ⑤ - CONDENSER COIL
- ⑥ - CONTROL PANEL
- ⑦ - CONDENSER FAN

MODEL PACS	DIMENSIONS			
	L	W	A	E
51005 61006	70 [1778]	45 [1142]	34 [864]	33.6 [853]
51007 61008	74 [1880]	56 [1422]	38 [965]	40 [1016]

ALL DIMENSIONS ARE IN INCHES [mm]

CERTIFIED DRAWINGS ARE
AVAILABLE ON REQUEST

Control panel size may increase in models
with 220V/3Ph/60Hz power supply.



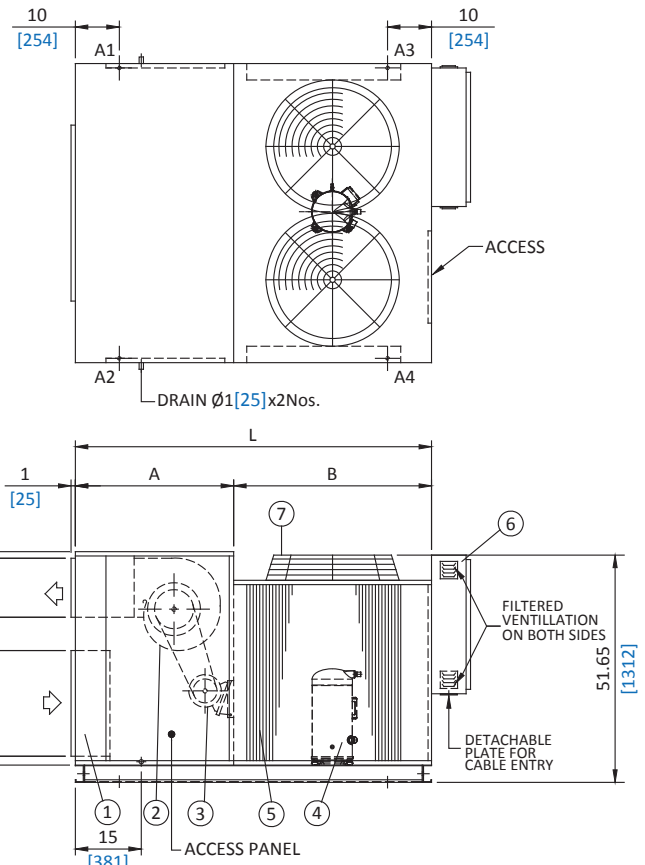
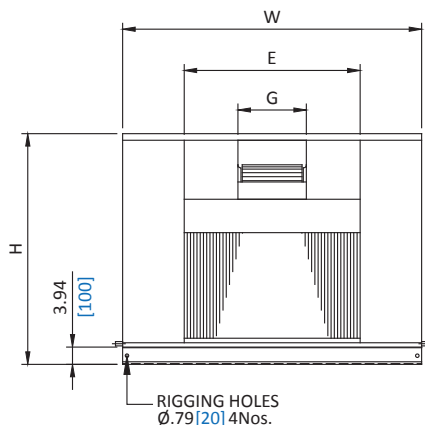
PACS Models: 51008 to 51012 & 61009 to 61014

MODEL PACS	DIMENSIONS									
	L	W	H	A	B	C	D	E	J	G
51008 61009	81 [2057]	68 [1727]	45.94 [1167]	36 [914]	45 [1143]	20 [508]	7.13 [181]	40 [1016]	11.38 [289]	13.03 [331]
51009 61011	85 [2159]	68 [1727]	52.42 [1332]	40 [1016]	45 [1143]	24 [610]	7.56 [192]	40 [1016]	13.43 [341]	15.55 [395]
*52010 62011	85 [2159]	68 [1727]	62.42 [1585]	40 [1016]	45 [1143]	30 [762]	9.08 [231]	43 [1092]	15.91 [404]	18.54 [407]
51012 61014	85 [2159]	68 [1727]	62.42 [1585]	40 [1016]	45 [1143]	30 [762]	9.08 [231]	43 [1092]	15.91 [404]	18.54 [407]

*MODEL WITH TWO CIRCUITS

ALL DIMENSIONS ARE IN INCHES [mm]

Control panel size may increase in models
with 220V/3Ph/60Hz power supply.



SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Dimensional Data

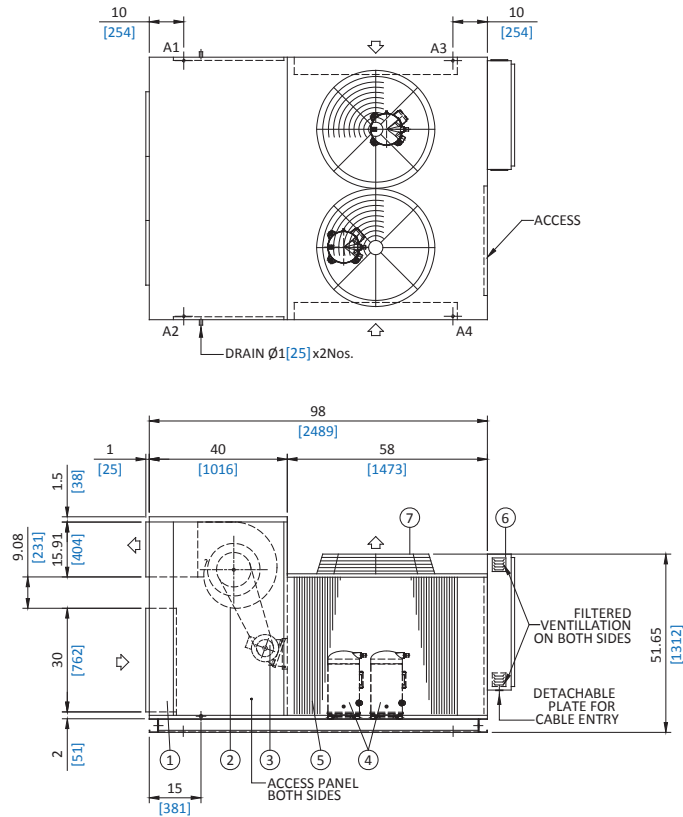
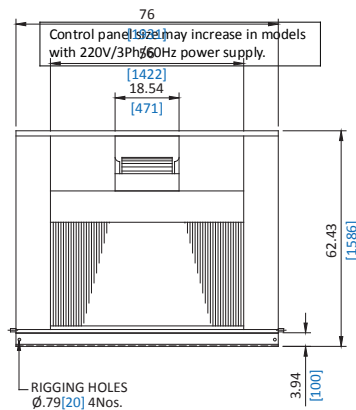
PACS Models: 52013, 52015 & 62014, 62018

LEGEND

- ① - EVAPORATOR COIL
- ② - EVAPORATOR FAN
- ③ - EVAPORATOR FAN MOTOR
- ④ - COMPRESSOR
- ⑤ - CONDENSER COIL
- ⑥ - CONTROL PANEL
- ⑦ - CONDENSER FAN

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

ALL DIMENSIONS ARE IN INCHES [mm]



PACS Models: 52019, 52024 & 62023, 62028

LEGEND

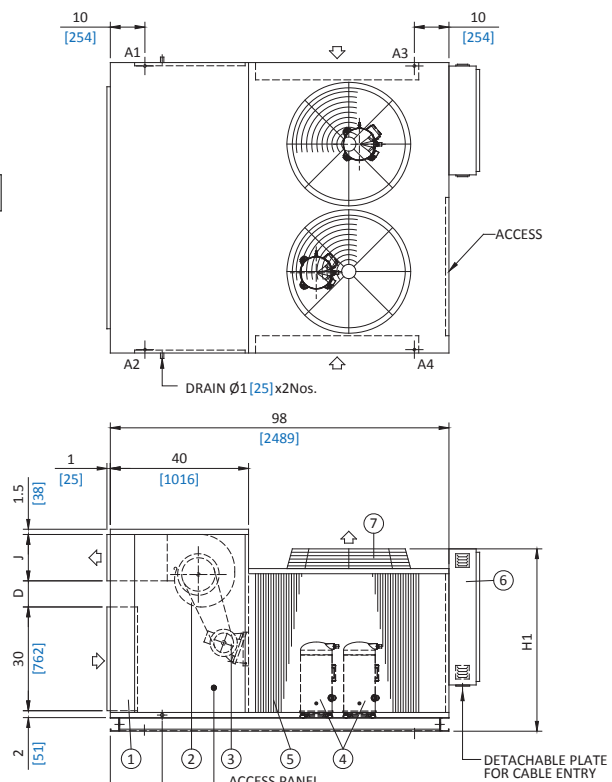
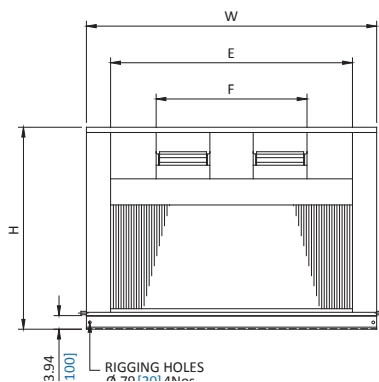
- ① - EVAPORATOR COIL
- ② - EVAPORATOR FAN
- ③ - EVAPORATOR FAN MOTOR
- ④ - COMPRESSOR
- ⑤ - CONDENSER COIL
- ⑥ - CONTROL PANEL
- ⑦ - CONDENSER FAN

Control panel size may increase in models with 220V/3Ph/60Hz power supply.

MODEL PACS	W	H	H1	D	E	F	J	G
52019	84	58.42	51.65	7.56	65.4	43.66	13.43	15.55
62023	84	58.42	51.65	7.56	65.4	43.66	13.43	15.55
52024	84	58.42	51.65	7.56	70	43.66	13.43	15.55
62028	84	58.42	51.65	7.56	70	43.66	13.43	15.55

ALL DIMENSIONS ARE IN INCHES [mm]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST



SKM Packaged Airconditioning Units

PACS Series - R-22 & R-407C

Dimensional Data

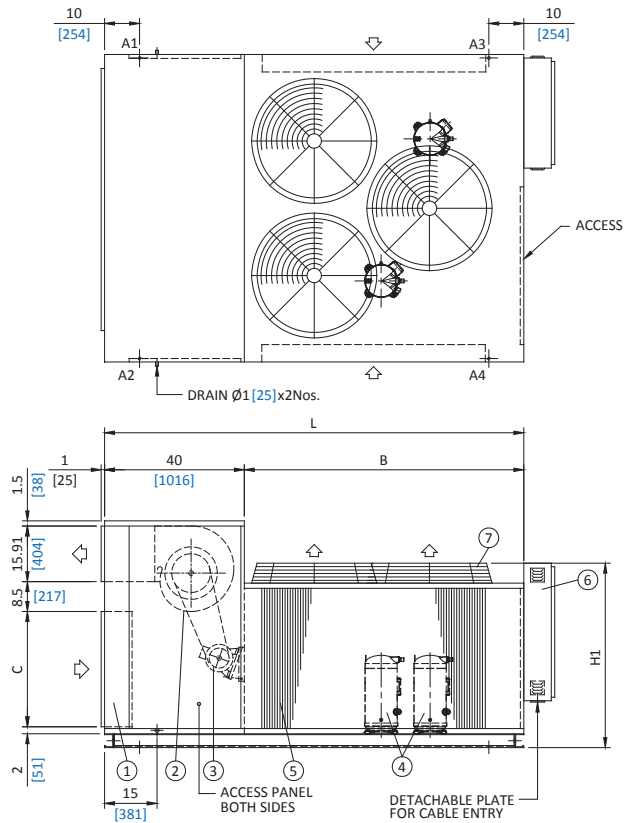
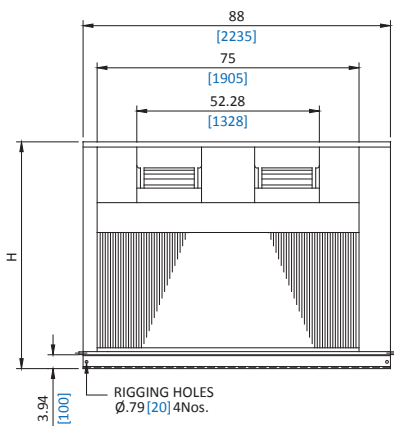
PACS Models: 52025 to 52039 & 62030 to 62046

MODEL PACS	H	H1	L	B	C
52025	64.89	52.65	120	80	33
62030	[1648]	[1337]	[3048]	[2023]	[838]
52028	67.89	60.65	116	76	36
62034	[1724]	[1540]	[2946]	[1930]	[914]
52034	71.88	60.65	116	76	40
62040	[1826]	[1540]	[2946]	[1930]	[1016]
52039	76.88	72.65	120	80	45
62046	[1953]	[1845]	[3048]	[2023]	[1143]

ALL DIMENSIONS ARE IN INCHES [mm]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

Control panel size may increase in models with 220V/3Ph/60Hz power supply.



PACS Models: 52045 to 52052 & 62053 to 62065

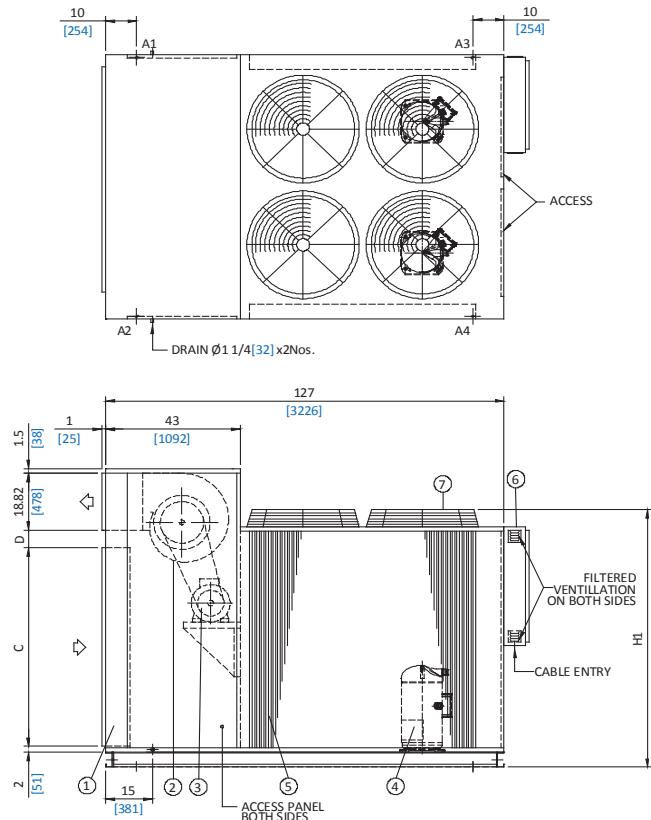
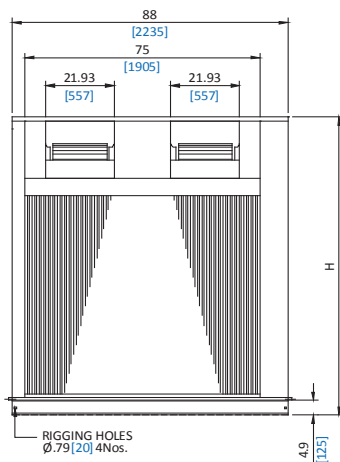
MODEL PACS	H	H1	C	D
52045	93.98	77.63	56	10.75
62053	[2387]	[1972]	[1422]	[273]
52049	99.24	85.63	66	6
62060	[2521]	[2175]	[1676]	[152]
* 52052	103.24	85.63	72	4
62065	[2622]	[2175]	[1829]	[102]

* MODEL WITH TANDEM COMPRESSORS

ALL DIMENSIONS ARE IN INCHES [mm]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

Control panel size may increase in models with 220V/3Ph/60Hz power supply.



SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

Dimensional Data

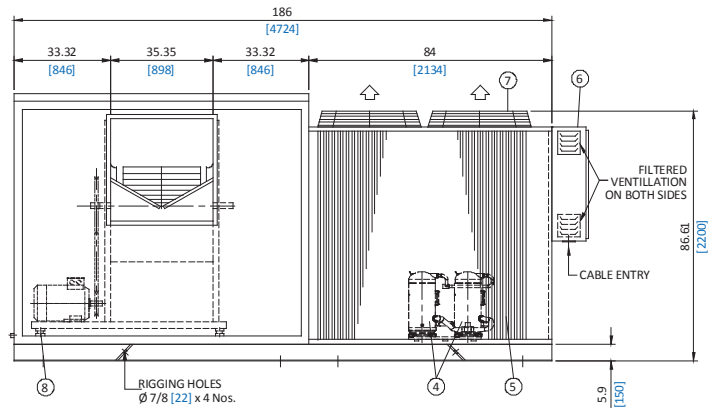
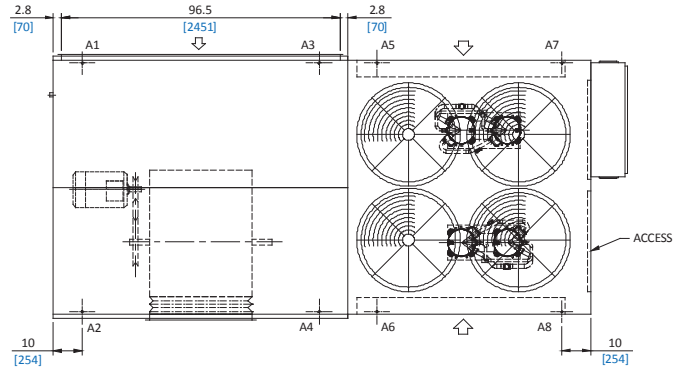
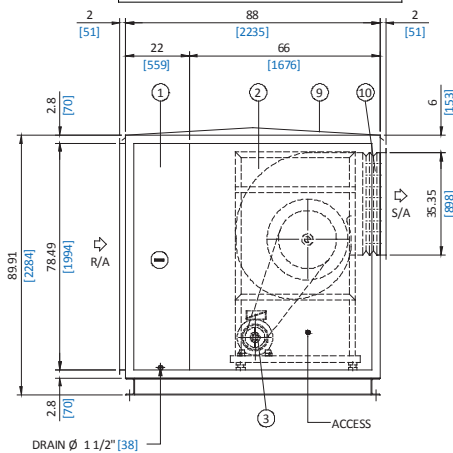
PACS Models: 52060 & 62070

- ① EVAPORATOR COIL
- ② EVAPORATOR FAN
- ③ EVAPORATOR FAN MOTOR
- ④ COMPRESSOR
- ⑤ CONDENSER COIL
- ⑥ CONTROL PANEL
- ⑦ CONDENSER FAN
- ⑧ ANTI VIBRATION MOUNTS
- ⑨ WEATHER PROOF CANOPY
- ⑩ FLEXIBLE CONNECTION

ALL DIMENSIONS ARE IN INCHES [mm]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

Control panel size may increase in models with 220V/3Ph/60Hz power supply.



PACS Models: 52065, 52070 & 62080, 62085

LEGEND

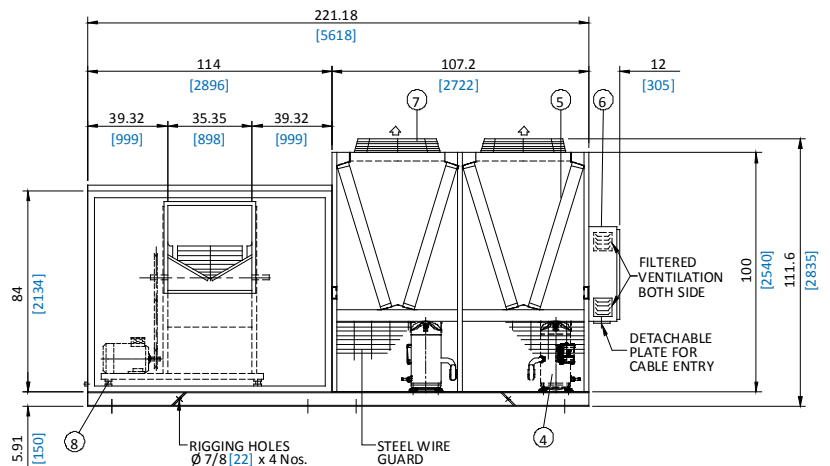
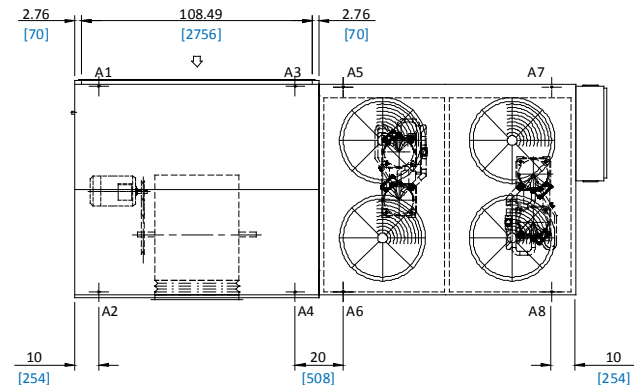
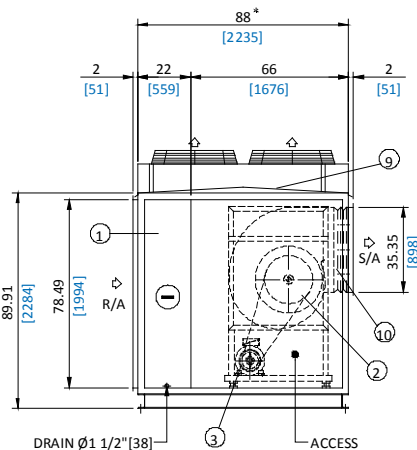
- ① EVAPORATOR COIL
- ② EVAPORATOR FAN
- ③ EVAPORATOR FAN MOTOR
- ④ COMPRESSOR
- ⑤ CONDENSER COIL
- ⑥ CONTROL PANEL
- ⑦ CONDENSER FAN
- ⑧ ANTI VIBRATION MOUNTS
- ⑨ WEATHER PROOF CANOPY
- ⑩ FLEXIBLE CONNECTION

* IF MOISTURE ELIMINATOR IS REQUIRED, INCREASE 12" MORE IN THE UNIT WIDTH

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

ALL DIMENSIONS ARE IN INCHES [mm]

Control panel size may increase in models with 220V/3Ph/60Hz power supply.



SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

Optional Modular Construction

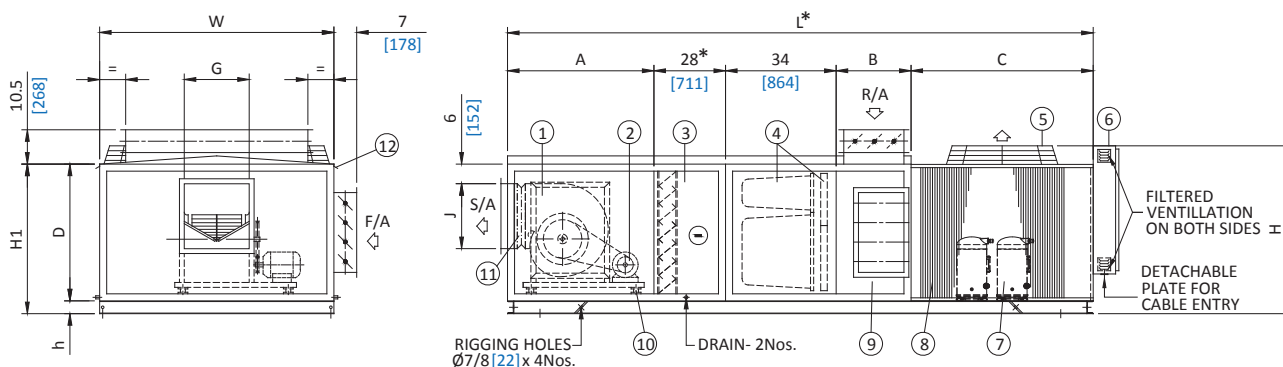
PACS Models: 51005 / 61006 to 52060 S & 62070

As an option, listed models can be produced as modular sections as per details given below.

- Mixing Box based on 75% R.A. and 25% F.A.
- Evaporator Fan is Forward Curved, type.
- 15" (381 mm) thick bag filter.
- 2" (50 mm) thick flat filter.
- Base frame size could be changed based on the components and application. Panel thickness is 1" (25 mm).

TYPICAL LAYOUT

55mm PENTA POST CONSTRUCTION 25mm THICK PANELS



LEGEND

① EVAPORATOR FAN	④ FLAT + BAG FILTER	⑦ COMPRESSOR	⑩ ANTI VIBRATION MOUNTS
② EVAPORATOR FAN MOTOR	⑤ CONDENSER FAN	⑧ CONDENSER COIL	⑪ FLEXIBLE CONNECTION
③ EVAP. COIL+ELIMINATOR	⑥ CONTROL PANEL	⑨ MIXING BOX	⑫ WEATHER PROOF CANOPY

* IF ELUMINATOR IS NOT REQUIRED, REDUCE THE SECTION LENGTH BY 6 INCH

** FROM THE MODELS 52025/62030 to 52052/62065 DRAIN CONNECTION (FTP TYPE) TO BE INTEGRATED INSIDE THE UNIT.

*** FROM MODELS 52052/62065 & 52060/62070 USING TANDEM COMPRESSORS

MODEL PACS	ALL DIMENSIONS ARE IN INCHES [mm]												EVAP.FAN									
	L	W	H	H1	D	h	A	B	C	J	G	DRAIN Ø										
51005 61006	142 [3607]	45 [1143]	51.65 [1312]	45.94 [1167]	42 [1067]	3.94 [100]	28 [711]	18 [457]	34 [864]	10.08 [256]	10.08 [256]	1 [25]	ADH 200R									
51007 61008	152 [3861]	56 [1422]					38 [965]		11.34 [288]	11.34 [288]	ADH 225R											
51008 61009	159 [4039]	68 [1727]					45 [1143]		12.68 [322]	12.68 [322]			ADH 250R									
51009 61011	159 [4039]								12.68 [322]	12.68 [322]												
52010 62011	159 [4039]								34 [867]	24 [610]				58 [1473]	15.90 [404]	15.90 [404]	ADH 315R					
51012 61014	159 [4039]										44 [1118]				19.96 [507]	19.96 [507]		ADH 400R				
52013 62014	178 [4521]	76 [1930]		19.96 [507]	19.96 [507]																	
51014 61017	164 [4166]	70 [1778]		19.96 [507]	19.96 [507]																	
52015 62018	178 [4521]	76 [1930]		45 [1143]	30 [762]		80 [2032]	25.12 [638]			25.12 [638]		ADH 450R									
52019 62023	189 [4801]	84 [2134]													52 [1321]	36 [914]		84 [2134]	28.15 [715]	28.15 [715]	ADH 500R	
52024 62028	189 [4801]	88 [2235]							4.92 [125]	58 [1473]				22.40 [569]			22.40 [569]					ADH 560R
52025 62030	211 [5359]																					
52028 62034	207 [5258]		61.63 [1565]	55.92 [1420]	51 [1295]																	
52034 62040	220 [5588]		61.63 [1565]	56.92 [1446]	52 [1321]																	
52039 62046	224 [5690]	73.63 [1870]	67.92 [1725]	63 [1600]	5.91 [150]	76 [1930]	48 [1219]	35.35 [898]	35.35 [898]	ADH 710R												
52045 62053	228 [5791]	77.63 [1972]	72.92 [1852]	68 [1727]																		
52049 62060	234 [5944]	85.63 [2175]	82.92 [2106]	78 [1981]																		
52052 62065	258 [6553]	89.91 [2284]	84 [2134]	84 [2134]																		
52060 62070	270 [6858]		86.62 [2200]	98.91 [2512]	93 [2362]																	

Table 20

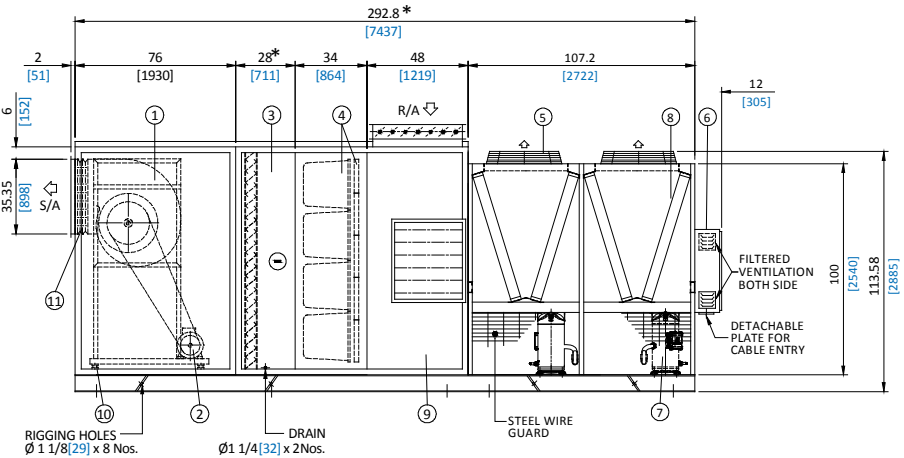
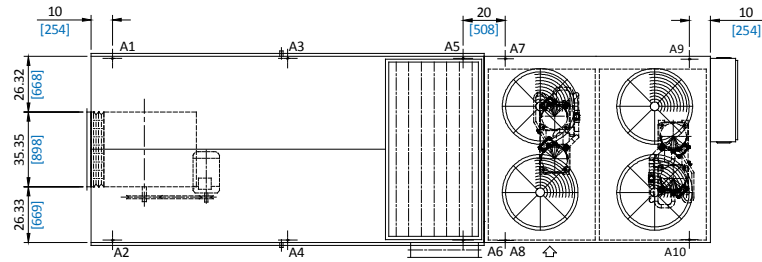
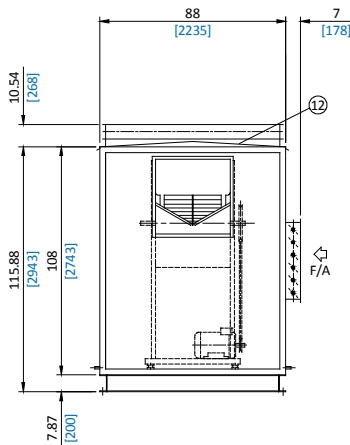
SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

Optional Modular Construction

PACS Models: 52065, 52070 & 62080, 62085

TYPICAL LAYOUT

70mm PENTA POST CONSTRUCTION
50mm THICK PANELS



LEGEND

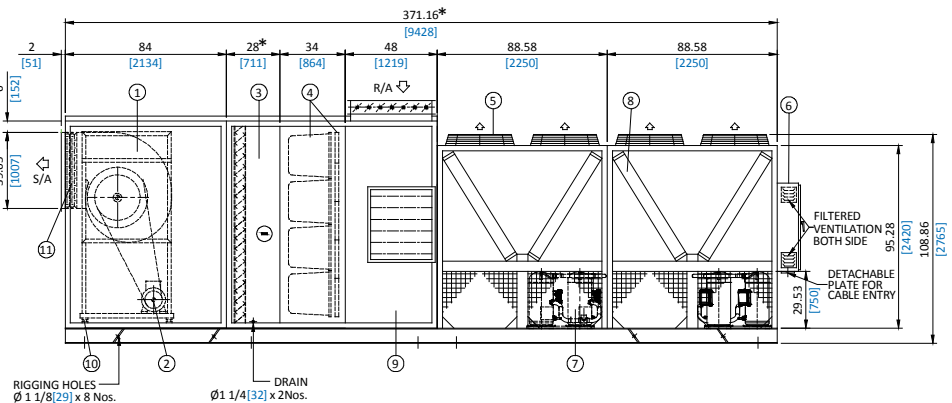
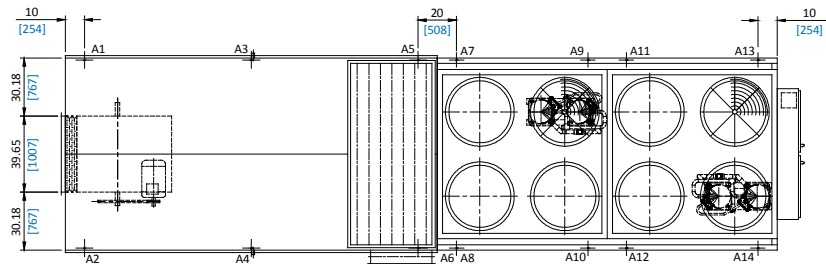
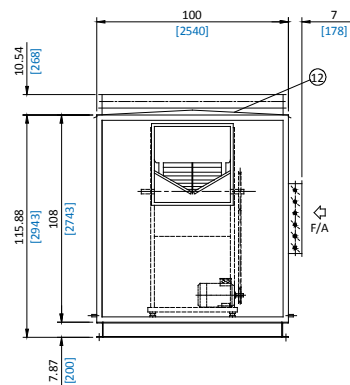
* IF ELIMINATOR IS NOT REQUIRED, REDUCE THE SECTION LENGTH BY 6 INCH.

- | | | | |
|-------------------------|---------------------|------------------|--------------------------|
| 1 EVAPORATOR FAN | 4 FLAT + BAG FILTER | 7 COMPRESSOR | 10 ANTI VIBRATION MOUNTS |
| 2 EVAPORATOR FAN MOTOR | 5 CONDENSER FAN | 8 CONDENSER COIL | 11 FLEXIBLE CONNECTION |
| 3 EVAP. COIL+ELIMINATOR | 6 CONTROL PANEL | 9 MIXING BOX | 12 WEATHER PROOF CANOPY |

PACS Models: 52080, 52090

TYPICAL LAYOUT

70mm PENTA POST CONSTRUCTION
50mm THICK PANELS



LEGEND

* IF ELIMINATOR IS NOT REQUIRED, REDUCE THE SECTION LENGTH BY 6 INCH.

- | | | | |
|-------------------------|---------------------|------------------|--------------------------|
| 1 EVAPORATOR FAN | 4 FLAT + BAG FILTER | 7 COMPRESSOR | 10 ANTI VIBRATION MOUNTS |
| 2 EVAPORATOR FAN MOTOR | 5 CONDENSER FAN | 8 CONDENSER COIL | 11 FLEXIBLE CONNECTION |
| 3 EVAP. COIL+ELIMINATOR | 6 CONTROL PANEL | 9 MIXING BOX | 12 WEATHER PROOF CANOPY |

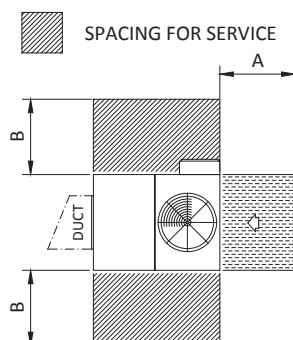
SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

SPACE REQUIREMENT

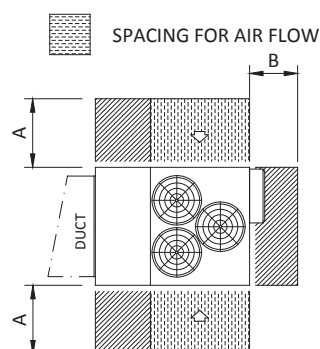
Models		A	B	C		
51005	61006	40	50	65		
51007	51008					
51008	61009					
51009	61011	50				
52010	52011					
51012	61014					
52013	62014	62			66	76
52015	62018					
52019	62023					
52024	62028	76	70	82		
52025	62030					
52028	62034					
52034	62040					
52039	62046	82			78	90
52045	62053					
52049	62060					
52052	62065	78	92	108		
52060	62070					
52065	62080					
52070	62085	84	104	-		
52080	62090					
52085	62100					
52090	62105					
52095	62110					

Table 21

Installation

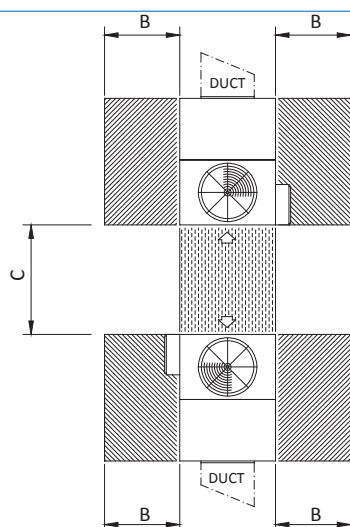


PACS- 51005,51007 & 51014
PACS- 61006,61008 & 61017

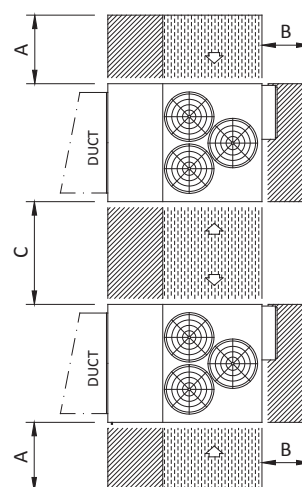


PACS- 51008 to 52052
PACS- 61009 to 62065

SINGLE UNIT INSTALLATION



PACS- 51005,51007 & 51014
PACS- 61006,61008 & 61017



PACS- 51008 to 52052
PACS- 61009 to 62065

MULTIPLE UNIT INSTALLATION

SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

GUIDE SPECIFICATIONS

GENERAL FEATURES

Packaged air conditioners shall be composed of compressor(s), condenser coil(s), evaporator coil, expansion valve(s), connecting piping, all necessary liquid line accessories and safety controls.

Unit shall be factory assembled, internally wired, fully refrigerant charged with R22 or R407C and thoroughly tested before delivery. Units should be capable to operate from 50°F (10°C) to 120°F (48.9°C) ambient temperature, and shall be rated in accordance with AHRI 210/240 and 340/360 standards.

CONDENSER COIL(S)

Coil shall be air cooled with integral sub-cooling circuit, constructed of seamless copper tubes 3/8" OD mechanically bonded to wavy Aluminium (Copper) fins with maximum 14 FPI (1.8mm) spacing. Coil shall be tested against leakage by pressurizing air at 450 psig (3100 kPa) in coil, under water, cleaned and dehydrated at the factory.

COMPRESSOR(S)

Compressor shall be hermetic scroll, refrigerant gas cooled furnished with internal overload protection device, crankcase heater, and shall be mounted on rubber isolators.

CONDENSER FAN(S) & MOTOR(S)

The machine shall be furnished with direct driven propeller type discharging air upward condenser fans. Fans shall be constructed of corrosion resistant blades such as heavy gauge aluminum. The fan and drive shall be held in proper alignment. Fan assemblies shall be provided with heavy gauge, rust resistant steel wire fan guard. All condenser fans shall be individually, statically, and dynamically balanced for vibration free operation. Motors shall be Totally Enclosed Air Over (TEAO), 6 poles, class F insulation, minimum IP55 protection and factory wired to unit control panel.

EVAPORATOR COIL

Evaporator coil shall be constructed of seamless copper tubes 3/8" OD mechanically bonded to aluminum (copper) cross-wave fins with maximum 12 FPI (2.1mm) spacing. Coil consists of headers of seamless copper tubing, thermostatic expansion valve(s) & multi-circuited distributor(s). These coils shall be tested against leakage by air pressure of 300 psig (2068 kPa) under water, cleaned & dehydrated at the factory. Coil shall conform to AHRI-410.

EVAPORATOR FAN & MOTOR

Evaporator fan shall be forward curved, double inlet double width (DIDW) centrifugal type, statically and dynamically balanced, mounted on single heavy duty shaft with permanently lubricated bearings and belt driven by "V" belts with an adjustable variable pitch motor pulley up to 11 kW. Above 11 kW fixed pulleys shall be standard. Variable pitch pulleys shall be provided above 11kW motors, if so specified.

Motor shall be totally enclosed fan cooled (TEFC) 4 poles, class F insulated, minimum IP55 protected and factory wired to unit control panel.

REFRIGERANT PIPING

The refrigerant circuit piping shall be fabricated from ACR grade copper piping, with 1 & 2 refrigeration circuits, each liquid line shall include shut off valve, filter drier, sight glass, solenoid valve and thermostatic expansion valve.

Suction line shall be insulated with 1/2" (12mm) wall thickness enclosed cell pipe insulation with maximum K factor 0.28 Btu.in / ft² .h.°F. (0.040 W/mK).

CASING

Unit casing shall be made of zinc coated galvanized steel sheets conforming to JIS-G3302 and ASTM A653 which shall be phosphatized and then electrostatically dry powder coated of approx. 60 microns to provide an extremely tough, scratch resistance, excellent anti-corrosive protection that can pass 1000 hrs in 5% salt spray testing at 95°F (35°C) and 95% relative humidity as per ASTM B117.

Evaporator section shall be sealed with vinyl gaskets and completely insulated faced with black glass tissue (BGT) heavy density, fire retardant, 32 Kg/m³ density having Max. K factor 0.23 Btu.in / ft² .h.°F (0.033 W/mK) and permanent odorless fibre glass insulation of minimum 1" (25mm) thickness for models upto PACS-52052/62065 and 2" (50mm) thickness for models PACS-52060/62070 onwards. Unit casing shall be provided with access panels for easy service and maintenance of all unit parts.

SKM Packaged Airconditioning Units PACS Series - R-22 & R-407C

GUIDE SPECIFICATIONS

FILTERS

Units shall be supplied with a range of filter sections with flat filter or vee filter 1" or 2" thick, with EN classes: G2 & G3 efficiency, in accordance with ASHRAE 52.2 if so specified.

A bag filter section to house 15", 21", or 30" deep bag filters having F8, F9 efficiency as desired shall be provided, if so specified.

High efficiency pleat filter shall be provided as an alternative to bag filter, if so specified.

For 100%, Fresh Air application, a sand trap louver shall be provided, if so specified.

CONTROL PANEL

The unit mounted control panel enclosure shall be fabricated out of heavy gauge sheet steel in phosphatized powder coated baked finish. The enclosure shall conform to IP54 as per guidelines in IEC 529. A hinged access door and key-fastener shall be provided for easy access and security. The panel shall be factory wired in accordance with NEC 430 & 440, labeled, tagged and features 220V / 240V controls and shall include the following as a minimum.

- All compressors shall be with DOL starting.
- Individual compressor, condenser fan motors and evaporator fan motor contactors.
- Motor protector circuit breaker for condenser and evaporator fan motors.
- Voltage monitoring module for protection against under voltage, over voltage, phase loss, phase reversal and phase unbalance of the incoming voltage.
- Control circuit breaker.
- Control circuit on/off switch.
- Microprocessor control boards.
- Control Relays.
- Power and control terminal blocks.

MICROPROCESSOR CONTROL

Package units shall be equipped with a full function microprocessor based controller as a standard feature. The controller shall be factory programmed for the control of evaporator fan, compressors and condenser fans. The controller shall come with a built in keypad and display for simple but meaningful man machine interface. This controller shall provide complete operational control for the unit and shall have built-in auto diagnostic capability that can signal normal operation or alarm conditions as well as shutting down the unit or system if necessary.

The controller shall come with a loose supplied sleek and elegant design room unit for installing in the conditioned space. Communication between unit controller and room unit shall be through two wire interface.

The communication cable shall be 2 core, twisted pair, unscreened with stranded conductors. (As per KNX specification). Maximum distance between room unit and controller shall be 700 meters. The room unit shall have a built in sensor for measuring the room temperature. It shall transmit room temperature, set point, unit operating mode, operating schedule etc. to the unit controller. Control of the compressors shall be based on room temperature and the set point, as standard. Control based on duct temperature shall be available if required.

The Main Features of the controller shall be as follows:

- Built in LCD display with back light.
- Built in keypad.
- Battery backed up built in real time clock.
- Multiple authorization level to provide tight security for the control system.
- Capacity control based on room temperature or return air temperature.
- Alarm history.
- A sleek & elegant design room unit.

DISPLAY INFORMATION

The package units shall offer an LCD display which will allow the operator to access different parameters of the unit. Operator shall be able to view and change the unit parameters. The display information shall include:

- Status.
- Outputs.
- Inputs.
- Alarms.
- Set points.
- Password.

The intelligent microprocessor based controller shall monitor all the safeties related to the unit and makes the necessary protections, by shutting down the entire unit or the effected circuit. The protections shall include:

- Low suction pressure.
- High discharge pressure.
- High compressor motor temperature.
- Compressor short cycling.
- Evaporator fan motor overload.

Volt free contacts for run status, common fault status, auto mode status and provision for remote on/off shall be available as option.

In addition, the unit microprocessor shall be able to support the major BMS protocols such as BACnet, Modbus & LON as option.

NOTES

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NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



*you name it
we cool it*

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